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WE instituted our system of direct supply during the trying war period as a means of ensuring that every Retailer who approached us should receive at least moderate stocks of Glaxo. That system has served its purpose well, but as the result of extended experience, we are now convinced that it is better in the Retailer's interest for us to relinquish this work to the Wholesalers who so regularly and successfully undertake the service of distribution.

We say advisedly "in the Retailers' interest," because the transference of this branch of service will enable us to maintain larger stocks in all parts of the country, so permitting Retailers to obtain supplies more promptly, while we shall be left free to watch their interests more closely, to drive business to them, and to see that their profits are maintained and protected.

All the resources of our business will be at each Retailer's service in a greater degree than has ever before been possible, and this advantage will, we think, more than adequately compensate for abolition of the system of direct supply, which has been so highly appreciated in the past and was only reluctantly abandoned.

The terms offered under our new system of distribution will be found to offer greater pecuniary advantage than those of the system which has been superseded. A Retailer can now order one case of each size of Glaxo without prepayment, and have the goods invoiced by the Wholesaler on as favourable terms as we previously allowed when orders were accompanied by cash. By doubling the order the Retailer can secure still better credit terms, such as formerly necessitated a prepaid order for £50 net.

Any difficulty experienced in obtaining supplies, or in securing prompt delivery of goods should be notified to us without delay, and will receive our special attention, as we shall at all times be prepared to put Retailers in touch with Wholesalers who will guarantee that prompt, efficient and courteous service which we have always sought to maintain.

PRESENT TERMS FOR GLAXO:

Retail Prices	Contents of Tins	Net Cost to Retailer		
		Orders for Small Quantities	Orders to value of not less than £6 . 6 . 2	Orders to value of not less than £12 . 6 . 0
1/6 per tin	**6** oz.	**14/5** per dozen	**14/-** per dozen	**13/8** per dozen
3/- ,,	**12** ,,	**28/10** ,,	**28/-** ,,	**27/4** ,,
7/6 ,,	**32** ,,	**72/-** ,,	**70/2** ,,	**68/4** ,,

The above prices do NOT apply to EXPORT Tins which contain different quantities.

The special terms for orders to the value of £6 . 6 . 2 or £12 . 6 . 0, apply only to orders for **unbroken case quantities,** *i.e. the 1/6 size must be ordered in lots of 2 dozen tins, and the 3/- and 7/6 sizes in lots of 1 dozen tins. The orders may be varied, however, to suit the Retailer's special needs. Goods to the value of not less than 30/- will be carriage paid to the nearest railway station.*

Address all inquiries to the Sales Manager, Glaxo, 155–7 Great Portland St., London, W. 1

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Amalgamated Trades' Association

Offices: LONDON CHAMBER OF COMMERCE,
1, 2, & 3 Oxford Court, & 97 Cannon Street,
LONDON, E.C.4.

IMPORTANT NOTICE TO TRADERS

¶ A political alliance has been effected recently between the leaders of Trade Unionism, the Labour Party and the Co-operative Societies, aiming avowedly at the elimination of private trading enterprise and its replacement by a State-controlled Co-operative System of Distribution, whilst the "Consumers' Council" (a body appointed, not elected, to advise the Ministry of Food in matters affecting food supplies and distribution) adopted in September, 1919, a resolution which it has since been urging aggressively on the Government. It recommends, *inter alia*, **the substitution of co-operation for competition in every department through the great Co-operative Societies and other Agencies.**

These proposals constitute a grave menace to the right of freedom of individual trading in all commodities and must be combated in the strongest possible manner. There is no objection to co-operative societies as such, but the private trader must be allowed freedom and fairplay, and no monopoly should be allowed to be created through political influence which would put any class of trader compulsorily out of business.

To combat such principles the Amalgamated Trades' Association has been formed by important trade bodies. Members of these bodies have guaranteed substantial support, and further subscriptions are invited.

Any trade body, eligible for membership, contributing to the funds of the Association, is entitled to representation on the General Council under whose direction the Executive Committee is now working.

To achieve the objects of the Association (*see opposite page*), a large and powerful organisation must be built up. The measure of its success will depend upon the extent to which, not only the Executive, but all individual members of the important trade organisations throughout the United Kingdom appreciate the tremendous significance of the issues at stake.

¶ The matter is so vital that **you are urged immediately to press upon your trade organisation the need for whole-hearted co-operation with this defence movement.** Traders of every kind must in self-defence take up the challenge without delay.

Any further information required can be obtained from

B. G. ARTHUR, A.C.I.S., *Secretary,*
Amalgamated Trades' Association.

Amalgamated Trades' Association

Offices: LONDON CHAMBER OF COMMERCE,
1, 2, & 3 Oxford Court, & 97 Cannon Street,
LONDON, E.C. 4.

OBJECTS

1. To maintain the right of freedom of individual trading in all commodities.
2. To demonstrate to the public the grave national danger of the elimination of the private trader.
3. To combat any political or other agency whose object is to eliminate private trading.
4. To maintain in all branches of trade the principle of competition, which in the past has proved to be of the greatest benefit to the nation.

MEMBERSHIP

The membership (subject to the approval of the Committee) shall be open to any organised body of Traders subscribing to the funds of the Association.

COUNCIL

The Council of Direction is entirely composed of representatives of Trade Organisations contributing to the funds of the Association, such contributions carrying with them the right to nominate two representatives to serve on the Council. The following bodies are already represented on the Council, and several bodies representing other trades are appointing their nominees very shortly:—

Provision Trade Section, London Chamber of Commerce.
Canned Goods Section, Liverpool Chamber of Commerce.
Home and Foreign Produce Exchange.
The Liverpool Provision Trade Association, Ltd.
The Wholesale Grocers & Provision Merchants' Alliance, Ltd.
The London Egg Market.
Bakery Allied Traders' Association.
The Wholesale Produce Merchants' Association.
The Association of Master Lightermen.
The Bristol Provision Trade Association.
The Association of Pottery and Glass Factors and Wholesale Dealers of the U.K.

HONORARY OFFICERS AND EXECUTIVE COMMITTEE.

MR. C. F. PARTINGTON, J.P. (late Chairman of the Home and Foreign Produce Exchange, and of the Provision Trade Section of the London Chamber of Commerce) ... ... CHAIRMAN
MR. F. W. PARSONS (Chairman of the Provision Trade Section, London Chamber of Commerce) ... ... DEPUTY-CHAIRMAN
MR. ARTHUR J. MILLS (Past Chairman of the Home and Foreign Produce Exchange) ... ... HON. TREASURER
MR. A. F. SHEED (Chairman, Home and Foreign Produce Exchange)

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The Bristol Provision Trade Association.
The Liverpool Provision Trade Association.
The Wholesale Produce Merchants' Association.

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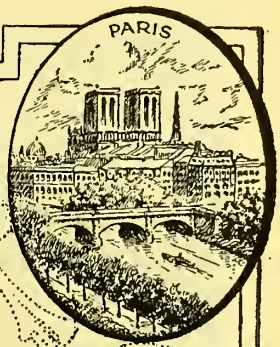
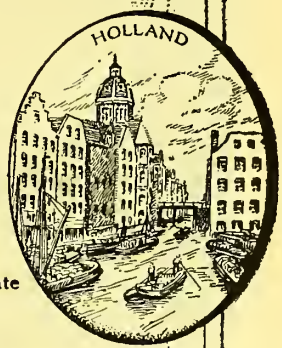


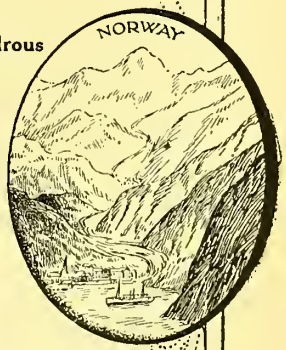
PHARMACEUTICAL
AND
PHOTOGRAPHIC PRODUCTS.



R. W. GREEFF & Co. offer at lowest prices the following products :—

(WHOLESALE QUANTITIES ONLY)

Acetanilid
Acetyl Salicylic Acid
Amidol
Amidopyrin
Barbitone
Benzoic Acid
Benzamine Hydrochlor
Benzamine Lactate
Benzo Naphthol
Beta Naphthol
Bromides
Calcium Lactate
Chloral Hydrate
Cinchonine and Salts
Cinchonidine and Salts
Citric Acid
Cocain
Coumarin
Creosote Carbonate
Eucalyptus Oil
Gallic Acid
Glycerophosphates
Guaiacol Carbonate
Hexamine
Homatropine
Hydroquinone
Ichthyol Substitute
Kelene
Lemon Oil
Lithia Carbonate
Lecithin
Menthol
Mercurials
Methylene Blue Medicinal
Methyl Salicylate
Metol
Paraldehyde
Peppermint Oil
Pepsine
Peptone
Phenacetin
Phenazone
Phenolphthalein
Pyrogallic Acid
Potash Sulpho-Guaiacolate
Quinidine and Salts
Quinine and Salts
Quinoidine
Resorcin
Saccharin
Salicylic Acid
Salicylate of Soda
Salol
Soda Benzoate
Soda Hyposulphite
Soda Sulphite Anhydrous
Sugar of Milk
Tannic Acid
Tannin Albuminate
Tartaric Acid
Terpineol
Terpine Hydrate
Theobromine
Thymol Crystals
Vanillin

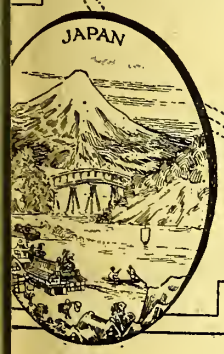


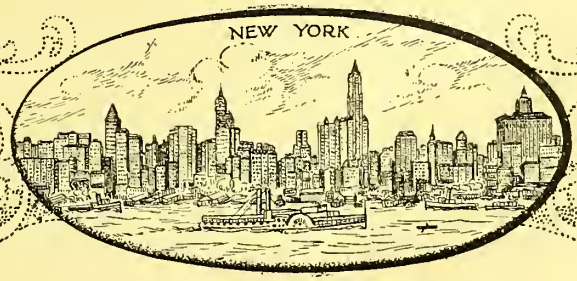
R. W. Greeff & Co.

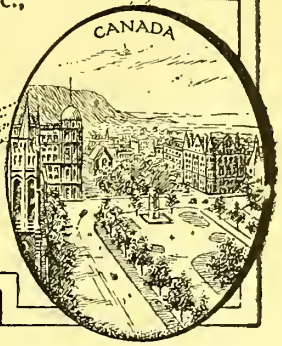
THAMES HOUSE, QUEEN STREET PLACE,
LONDON, E.C.4.

MANCHESTER BRANCH
Lloyd's Bank Buildings,
King Street.

NEW YORK AGENTS
R. W Greeff & Co., Inc.,
78, Front Street.







SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB, LIVERPOOL." Tel. 1039 CENTRAL.

Agent ST. JOHN'S, N.F. Established 1780.

"John Bull"

MALT EXTRACT

IS THE BEST!!!

Wholesale & Export Only.

PAINE & CO., LTD., ST. NEOTS, HUNTS.

Half-a-Century's Popularity and Proved Merit behind it!

The ever-increasing popularity of ENO is due to its unquestionable quality and efficacy. For fifty years it has brought the bloom of health into the lives of countless thousands. Our advertising is now taking fresh impetus under a new policy which will create for ENO a demand greater even than it enjoys to-day. Delays in deliveries are gradually being overcome. May we suggest that you should replenish your stock at once?

The words

"FRUIT SALT"

are our Registered Trade Mark, and have been known for half-a-century to mean the preparation of J. C. Eno, Ltd. It is often referred to shortly as

ENO

It is an infringement of our rights to use the title "Fruit Salt" for any preparation but our own.

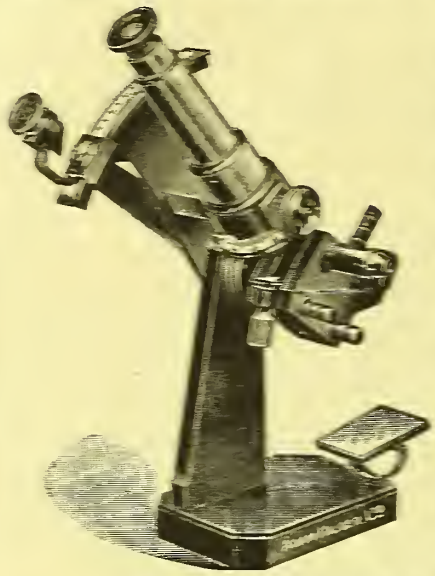
Applications for showcards should be addressed, Sales Manager.
J. C. ENO, LTD., "Fruit Salt" Works, London, S.E.

24 hours' worth of life!

Can you do eight hours' real hard work and enjoy it? Could you enjoy eight hours' recreation and follow it with eight hours' sound sleep? Thousands of men and women who get twenty-four hours' worth of life out of each day owe it to the simple practice of taking—first thing every morning—a glass of water with a dash of ENO.

Use it in your own household!

THE ABBE REFRACTOMETER



is a valuable aid towards maintaining uniform strength in pharmaceutical products (solutions, syrups, etc.), and much quicker than taking the dried weights or specific gravities.

DELIVERY FROM STOCK.

Descriptive Booklet post free on application to the Makers:

ADAM HILGER, LTD.

(Department H)

75a CAMDEN ROAD, LONDON, N.W. 1.

Telephone: NORTH 1677—8. Telegrams: "SPHERICITY, PHONE, LONDON."

GOVERNMENT TESTED.

CLINICAL THERMOMETERS

Ready for immediate delivery.

INSULATED CHEMICAL THERMOMETERS for all Industries

HYDROMETERS for all gravities.

Prices on application to the Manufacturers.

J. T. POWELL & CO., 55 Hatton Garden, London, E.C. 1.

Telegrams: "THERMOSCOPE, BRIGHTON."

TRADE MARK "THERMORIGIT" REGISTERED.

Member of British Laboratory Scientific Glassware Manufacturers' Association, Ltd., and Glass Research Association.

E. S. ARRIGHI,

CHEMICAL AND EXPERIMENTAL GLASS BLOWER AND THERMOMETER MAKER,

38 & 40 BOND STREET, BRIGHTON.

THERMOMETERS, HYDROMETERS, AND LAMP-BLOWN GLASSWARE.

A. T. REYNOLDS, Barnsbury Hall, Barnsbury Street, LONDON, N. 1.

Inquiries solicited. *MERCURY bought in any amount for cash.* *Wholesale and Export.*

Maw's Page

NUMBER 432.
JAN. 24, 1920.

S. MAW, SON & SONS, LTD. • 7-12, ALDERSGATE ST. LONDON, E.C.1.

Stop! Look! Listen!

ON many African and Australian railroads people are warned at level crossings by a distinctive and powerful sign, thus:

STOP!
LOOK!
LISTEN!

. . . .

Now, the greatest value of this sign is in its arresting nature. The beholder is pulled up sharp, and his attention is focussed.

. . . .

Does your window display do that? Does your window pull up the passers by and in effect say: "Stop! Look! Listen!" or is it just a pot-pourri of dummy packages and overflowing stock that delivers no particular message?

. . . .

There is room for more specialised window display. Don't be afraid to give up your window to one particular line of goods now and again.

. . . .

The difference between a window delivering one definite message and the window with fifty different claims for the attention of the passer by is as the difference between shrapnel and high-explosive.

. . . .

Try this for a week: Let the House of Maw make up your stock of Tooth-brushes—run a Dental Hygiene Week—dress your window with Tooth-brushes; display press cuttings on dental welfare; why, there are a hundred-and-one ideas to be developed on this line.

. . . .

Forgive us for proferring this advice. Frankly, we have what is termed an ulterior motive. We are very sensible that our trade depends upon your trade. As your business flourishes so also does the House of Maw. These suggestions of ours are meant to be mutually helpful. We are confident that they will be welcomed by our discerning customers.

Discus

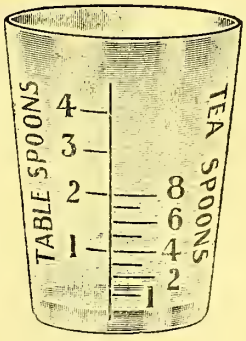
"Guaranteed Accurate"

IN spite of the ruling high prices of glass, we are able to offer a useful graduated Medicine Tumbler at a comparatively low cost. The graduations are engraved to four tablespoons and eight teaspoons (guaranteed accurate).

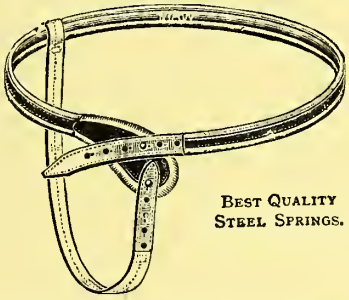
These will make a serviceable addition to the medicine chests of your many customers.

Order No. 21. Made of good quality thin glass, well finished, measuring 2½ in. high, in one dozen boxes. Price 12/9 per dozen. If required these can be supplied separately each in red case at 15/- per doz.

Order No. 60. Cheaper quality of heavier glass, with similar graduations. Price 8/6 per doz.



"Trustworthy Trusses"



BEST QUALITY STEEL SPRINGS.

THE two examples of circular Spring Trusses displayed here are models proved to be thoroughly trustworthy and effective. Each is covered with the very best quality basil and mole procurable.

The steel springs embodied in Maw's Trusses are the *best only*. These appliances can be relied upon to strengthen your present reputation for this class of goods. No economy is obtained in dealing with cheaper and inferior substitutes, which are difficult to fit, ineffective and never give satisfaction.

To justify the existence of this branch of your business send *us* your inquiries and lean upon *our* reputation as actual makers.

PRICES:

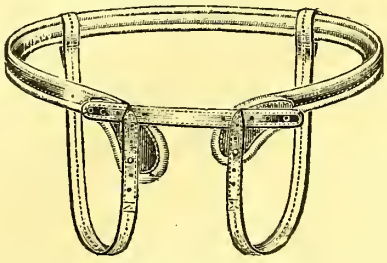
Single, 4/- each. Double, 6/6 each.

Further to the two patterns illustrated, all requirements can be met for Better Quality Trusses to suit every class of buyer.

PRICES
range from those published here to

Single, 15/- each
Double, 22/6 „

Quotations, together with details, sent free upon request.



TELEPHONE: CITY 7 (PRIVATE BRANCH EXCHANGE). TELEGRAMS: "ELEVEN, CENT. LONDON."

Maw's—"The House of the Moment.

Six Seasonable Specialities

There is still plenty of winter trade to be done, and there is more than one reason why stocks should not be allowed to run low. Orders for the reliable preparations detailed below can now be promptly executed.

	Minimum Retail Prices	
Cod Liver Oil Emulsion, P.,D. & Co.	*5 oz. 1/8* *8 oz. 2/6* *16 oz. 4/6*	Medical men specify "P.,D. & Co." Emulsion on account of its stability, palatability, and guaranteed 33 % content of non-freezing cod liver oil.
Stimulating Embrocation	*4 oz. 1/6*	An emulsion of oil of origanum, camphor and rectified oil of turpentine, with ammonia, issued in glass-stoppered bottles of distinctive shape.
Mentholated Bronchial Lozenges	*Tin of 36 1/-*	Pharmacists who have given prominence to these tablets find that one sale, by repeats and personal recommendation, makes many.
Improved Bronchial Lozenges	*Box of 36 9d.*	A popular tablet, which, like the above, contains no narcotic or astringent; they are therefore safe for children or for continued use.
Oral Antiseptic Tablets	*36 1/3* *100 2/-*	A pleasant combination of formaldehyde and menthol with a suitable base. The convenience of the vest-pocket vial (36) is very generally appreciated.
Inhalone	*1/3*	An anti-bacterial soothing and emollient nasal application. Issued in a collapsible tube with an elongated nozzle to facilitate direct application.

It may also be desirable to replenish stocks of Boroseptic Ointment, Capsolin, Euthymol Cold Cream, Euthymol Cream, Euthymol Talcum Powder, etc.

A card will bring you a list with retail and wholesale prices of specialities corrected to date.

PARKE, DAVIS & CO.

50-54, Beak Street, LONDON, W.1.

Laboratories : : Hounslow, Middlesex.

WHOLESALE PRICES OF

'QUINPHOS'

(REGD.

THE GREAT TONIC.

	Minimum Retail Price.	Wholesale Price.
On the P.A.T.A.	1/3 . . .	11/6 per doz.
	3/- . . .	27/6 "
	5/- . . .	48/- "

LIQUID OR TABLETS.

CARRIAGE IS PAID ON ORDERS OF 10/- UPWARDS.

A SPECIAL DISCOUNT OF 5% IS GIVEN FOR CASH WITHIN ONE MONTH.

15 INCHES.

29 INCHES.

BONUS FOR WINDOW DISPLAY as above.

No. 1—For a 25/- order of "QUINPHOS," equivalent to 1 doz. 1/3 size and ½ doz. 3/-, liquid or tablets or assorted, there is a bonus of 3×1/3 size with high-class Cut-out and Showcards for Window.

No. 2—For a £3 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of 9×1/3 size, with high-class Cut-out and Showcards for placing in the Window.

No. 3—For a £5 order of "QUINPHOS," assorted sizes, liquid or tablets or assorted, there is a bonus of 15×1/3 size, with high-class Cut-out and Showcards for Window Display.

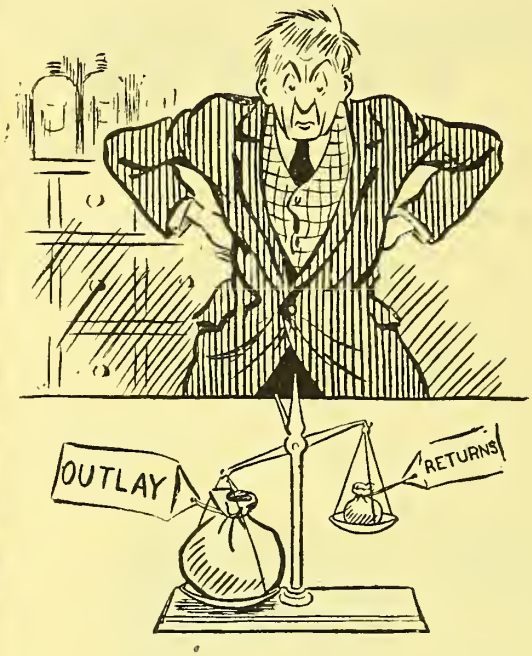
SOLE MAKERS:

THOMPSON & CAPPER, LTD.

Manufacturing Chemists,

Manesty Buildings, College Lane, LIVERPOOL.

Telegrams: "SANITAS LIVERPOOL." ESTABLISHED 1843. Telephone: ROYAL 2060.



Don't Be "On the Wrong Side."

THERE are men who become pessimists and assert that "advertising doesn't pay" because *they've tried it. (Sic !)*

Most individual pharmacists who try to break into the Proprietary Articles' field end like this.

Even familiarity with the trade has not warned them of the infinite difficulty of "playing a lone hand."

It is not so much active opposition as sheer dead weight of inertia that kills many a promising proprietary.

Just here, Ucal, with two thousand cordial helpers, can do with ease what the individual may spend a small fortune and the best years of his life in *failing* to accomplish.

Energy and initiative find full scope in Ucal.

Ucal
The Sign of Reliability

UCAL, CHELTENHAM.

AYRTON'S WEEKLY PAGE 15

The frightful price of Clothing

makes the utmost economy in dress materials essential. Clothes are being renovated in a degree undreamt of in pre-war days, and the practise will certainly increase.

Cotton Goods in the majority of cases were not worth renovating, if the colour washed thin, the article was relegated to the duster status, so cheap was the material. But to-day the situation is different, cotton goods are so dear, they are like wool and silk—well worth dyeing.

The bother, delay and risk involved in sending articles away to be dyed makes a glorious opportunity for the pharmacist to stimulate Home Dyeing, and thus secure a big volume of business. We can offer **"Eagle" Dyes** in a fine range of colours, fast, full, rich colours, at a protected price which bears a handsome margin of profit.

May we send you an assorted gross?

"Eagle" Dyes
ALL SHADES.
For Wool and Silk. For Cotton.
IN HANDSOME 1-GROSS OUTERS.

P.A.T.A. Prices—
Retail - 7½d. per pkt.
Wholesale 60/- per gross

SHADE CARDS FREE.

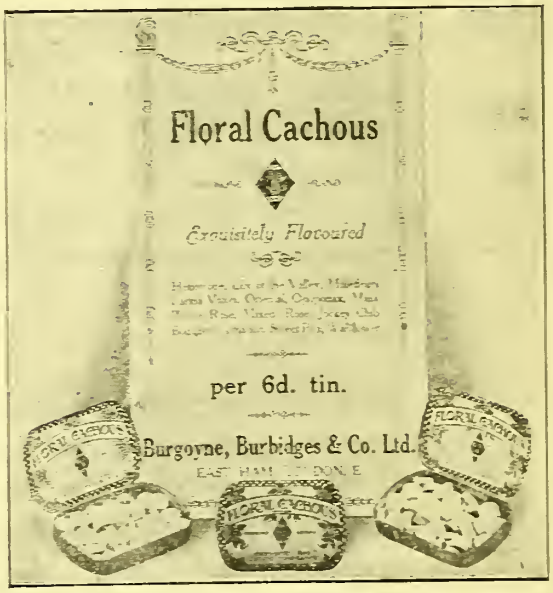
AYRTON, SAUNDERS & Co. Ltd. LIVERPOOL

SCIENTIA B&B Co. DILIGENTIA

BURGOYNE'S COUNTER REQUISITES.

Floral Cachous.

Oriental
Bouquet
Carnation
Heliotrope
Jockey Club
Lily of the Valley
Millefleurs



Mixed Musk
Opoponax
Parma Violet
Rose
Sweet Pea
Wallflower
White Rose

ALL FLAVOURS TRUE TO NAME.

RETAIL **6d.** P.A.T.A.

Showcards Supplied. Sample on Application.

Burgoyne, Burbidges & Co., Limited
EAST HAM — LONDON, E.

Telegrams: "ZOTALENE, PHONE, LONDON."
Telephone: EAST HAM 686 (Four Lines).

A SPECIAL PASTILLE FOR A SPECIAL PURPOSE

The formula of Catarrh Pastilles (Kerfoot) was designed for one specific purpose—to relieve quickly the congestion, soreness and choking sensations which are the unpleasant symptoms of Nasal & Throat Catarrh—and they fulfil that purpose far more satisfactorily than any general-utility pastille can possibly do.

Catarrh Pastilles (Kerfoot) have a pleasantly pungent creosote base, and as they do not contain licorice they are specially appreciated by that section of the public which objects to the licorice taste. From raw material to finished product these Catarrh Pastilles are manufactured by automatic machinery which eliminates human handling.

Catarrh Pastilles (Kerfoot) are sold in bulk, price 3/- per lb. Also they can be packed in our "Marble Tin" series, retailing at 9d. and 1/4 per tin (P.A.T.A.), price 5/- and 9/6 per dozen respectively. Also packed in 2-oz. and 4-oz. gold-lacquered tins, price 6/9 and 12/6 per dozen. :: Ask for sample.

There is a fresh Kerfoot announcement each week, usually on page 17. Pharmaceutical Pelmanists will find this number particularly easy to associate with our name

THOMAS KERFOOT & Co LTD,
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

COPYRIGHT

PRODUITS Scientifiques d'Hygiène et de Beauté

Parfumerie Française de Grand Luxe
PACAUT—PARIS.

Ses Parfums ont de la fleur, la finesse, le charme, la fraîcheur, et la volupté.

AMBRE, JASMIN-VIOLETTE, ROSE, MUGUET, LILAS,
HELIOTROPE, MOUSSE FLEURIE, DISCRET,
EAU DE COLOGNE AUX FLEURS,
PÂTE DENTIFRICE, CRÊME POUR VISAGE,
POUDRE DE RIZ, SAVON, EAU DE TOILETTE, LOTION POUR CHEVEUX.

René Paindessous, General Representative for the U.K.
WHOLESALE ONLY. *150 Southampton Row, London, W.C.*

ASK FOR OUR PRICE LIST.

OBTAINABLE FROM ALL CHEMISTS AND STORES IN THE U.K.

SALES
BEAT ALL RECORDS.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.
LASTING & FRAGRANT.

PERFUME
BRICK

FOR LINEN CUPBOARD AND WARDROBE.

On the P.A.T.A.
Retail Price ***6d.***

Of the Makers:
WILLIS, LOW & DRUIFF, LTD.,
6 Mortimer St., London, W.
AND ALL WHOLESALERS.

The Advertising behind ZENOBIA

The distinctive advertising which is appearing in journals of importance is creating a steadily increasing demand for Zenobia Perfumes. The Zenobia Perfumes are the last word in true flower fragrance.

ZENOBIA
CONDENSED PERFUMES

Retail prices are 3/-, 6/-, and 12/6 per bottle; whilst Trade prices are 27/-, 54/-, and 108/- per dozen, less usual discount.

You should share in the prosperity brought by Zenobia merits and Zenobia advertising by ordering sufficient supplies to meet future demands.

ZENOBIA, LTD.
WHOLESALE MANUFACTURING
AND EXPORT PERFUMERS,
LOUGHBOROUGH, ENGLAND.

You can always sell

THE EMPIRE COLD CREAM

(WHITE ROSE PERFUMED)

With satisfaction to yourself and customers.

It is absolutely dependable, and is distinguished by its smooth and white appearance, bland and emollient properties, and dainty odour.

In Opal Pots, Aluminium Capped.

E 586	**7/6**	per dozen	... Retail	**1/-**
E 587	**9/6**	"	... "	**1/6**

In Tubes, each one in Carton.

E 588	**5/-**	per dozen	... Retail	**8½d.**
E 589	**7/-**	"	... "	**1/-**

Gross orders of one line 13 dozen to the gross.

THE

Empire Perfumery Co.

(CUXSON, GERRARD & CO., Ltd., Proprietors)

OLDBURY, near Birmingham

Export and Colonial orders invited.

N. V. Chemische Fabriek "Naarden"

Bussum, Holland.

MANUFACTURERS OF AROMATIC CHEMICALS, FLOWER OILS & TERPENELESS ESSENTIAL OILS.

Aldehydes, C8-C14
Amyl Salicylate
Benzyl Benzoate
Benzaldehyde
Bromstyrol, 100 %
Citral, chem. pure
Cinnamic Acid
Cinnamic Aldehyde
Cyclocitral
Coumarin, 100 %
Diphenyloxide
Eugenol, pure
Fixatine
Geraniol Extra, pure
Heliotropine, 100 %
Indol Crystals
Iroson α/β
Iso Eugenol
Lily of the Valley
Linalool, Bois de Rose
Methyl Anthranilate
Musk Xylol, 100 % pure
Mustard Oil Synt.
Paracresol Methylether
Phenylacetaldehyde
Phenyl Acetic Acid
Phenylethylalcohol

STOCKS IN LONDON.

Please apply to our Sole Agents for Quotations and Samples—

GERALD BROMAGE & CO., 9-10 Foster Lane, E.C. 2.

Telephone: City 4719. Telegrams: "Gerbromco, Cent, London."

AMERICAN

ESSENTIAL OILS

"MOHAWK" BRAND

OIL PEPPERMINT (Natural)

OIL CEDARWOOD OIL HEMLOCK
OIL CEDARLEAF OIL BIRCH

Heliotropine Crystals C.P.
Vanillin C.P.
Coumarin C.P.
Oil Wormseed, American.
Oil Wintergreen Leaf U.S.P.

MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals and Drugs,

NEW YORK - - U.S.A.

Cables—"MAGLAUR."

Cresp-Martinenq

(Grasse, France),

Manufacturers of

ESSENCES & PRIME MATERIALS for MANUFACTURING PERFUMERS, CONFECTIONERS, ETC.

SYNTHETICS
ARTIFICIAL VIOLETS (MYRIONE)

Artificial Musk

INQUIRIES SOLICITED. LARGE STOCKS

ROBERT FERBER, LTD.
98/104 OAKLEY STREET,
LONDON - S.E.1.

Agents for the UNITED KINGDOM & CANADA.

TRADE MARKS.

Telegraphic Address: "EKLIPS LONDON."
A B C Code, 5th Ed; Lieber's 5-letter.

On the List of Government Contractors.
The Crown Agents for the Colonies, etc.

Telephone No.: 1831 Hop.

MEDALS AND AWARDS:
LONDON, 1881. VIENNA, 1883. CALCUTTA, 1884.
CHICAGO, 1893.

SYNTHETIC OTTO OF NEROLI

"ZINYL" Brand (Regd.)

¶ With a few exceptions the Synthetic Ottos are actually stronger than the essential oils they are intended wholly or partially to replace, and are most economical in use, while their similarity to the actual flowers is surprising.

¶ The Synthetic Otto of Neroli, "Zinyl" Brand, for instance, used in the proportion of ¾ oz. to the gallon of spirit, is **equal to a concentration of 220 times,** thus showing **an enormous advantage** over the ordinary **"Concentrated Perfumes,"** generally about 1 to 40 or 50 parts of spirit; this Otto forms an excellent basis for Eau de Cologne, and we suggest a reference to "Pharmaceutical Formulas" for many admirable forms.

The price has been advanced to 10/- per oz. but, after all, this compares favourably with other good brands, while the present cost of fine Oil of Neroli is about 41/- per oz., and five drachms of the Synthetic Otto are equal to one ounce of the natural oil.

For all Toilet Preparations these Synthetic Ottos show surprisingly favourable results.

H. E. STEVENSON & CO

Manufacturing Chemists and Wholesale Druggists,

122 GREAT SUFFOLK STREET, LONDON, S.E.1.

Complete Price List on application, or refer to "C. & D." Diary.

PURE SPANISH ESSENTIAL OILS.

SPIKE LAVENDER
SPANISH ORANGE
SPANISH LEMON
BITTER FENNEL
SWEET FENNEL

COGNAC ARTIFICIAL
NEROLI BIGARADE
SPANISH LAVAND.
(8-9 % ESTERS)
WHITE THYME
GARLIC OIL

LONABARC BRAND

GRAMS: "LONABARC, FINSQUARE, LONDON."
PHONE: LONDON WALL 9020.

SEND YOUR INQUIRIES TO THE ACTUAL IMPORTERS:

LONABARC TRADING COMPANY,
LIMITED,
5 FINSBURY SQUARE, LONDON, E.C.2.

G. W. SPARKE,

Milan Rome Turin
and
77 Chancery Lane
LONDON, W.C. 2
Telephone: Holborn 4845.

CREAM OF TARTAR
99½ per cent.
TALCUM POWDER
FLORENTINE ORRIS ROOT
ITALIAN OLIVE OIL
ESSENTIAL OILS
etc. etc.

Write for Quotations.

PERFUMERS CONFECTIONERS

ESSENTIAL OILS
CONCENTRATED ESS. OILS

BERGAMOT
SWEET ORANGE,
BITTER ORANGE,
LEMON, MANDARIN,

NEROLI "D'ITALIA"

The Best on the Market.
EXPORTATION THROUGHOUT THE WORLD

Export Agent:
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Via Canova 25 (Italy). (2)

Stocks of **OLIVE OIL** are very short

and it is exceedingly difficult to get further supplies owing to export restrictions.

Cover your requirements at once.

Finest French. The best quality on the market.

Finest Spanish. Cream Edible.

Finest Pharmaceutical B.P. Under 3% acidity.

Prices are rising, and in accordance

CASTILE SOAPS

will be dearer. We can offer

WHITE B.P. MOTTLED

LOWEST PRICES. HIGHEST QUALITY.
STRICTLY WHOLESALE. SAMPLES, PRICES
AND FULL PARTICULARS ON APPLICATION.

F. CHIESMAN & CO.,

59 ST. MARY AXE - LONDON, E.C.3.

Telegraphic Address: "PALUSTRIS, LED, LONDON."
Telephone: - AVENUE 63 (2 lines) 6994.

AND AT LIVERPOOL, GLASGOW, BRISTOL, ETC.

SICILIAN

LEMON - BERGAMOT
ORANGE - MANDARINE.

SPINELLI

THE OILS THAT HAVE A LONG REPUTATION FOR QUALITY.

In the manufacture of our Terpeneless Oils it was imperative that we secured the very finest Sicilian Oils to work upon. After several exhaustive tests we came to the conclusion that "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is quality in every package. Guaranteed Genuine Oils of authentic origin, and to conform to any :: :: :: analysis as to purity. :: :: ::

HOLLANDS DISTILLERY LTD.

Lavington Street, Southwark, LONDON, S.E. 1

A B C Code, 5th Edition
Western Union.

Telegrams: "LANDSLOH, LONDON."
Telephone: HOP 898.

AMERICAN AGENTS—O. A. BROWN CO., INC., 99-101 Beekman Street, NEW YORK.
CANADIAN AGENTS—F. S. JARVIS & CO., 18 Toronto Street, TORONTO.

TERPENELESS OILS

BRITISH MADE.

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the World.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)
Bay
Bergamot
Caraway
Cassia
Cinnamon
Clove
Dill
Geranium
Ginger
Juniper Berry
Lavender
Lemon
Limes
Mandarin
Nutmeg
Orange
Peppermint
Petitgrain
Rosemary

CITRAL

EUCALYPTOL

CINNAMIC ALDEHYDE

GERANIOL

HOLLANDS DISTILLERY, Ltd.

Lavington Street, Southwark, London, S.E. 1.

A B C Code (5th Edition). Western Union.

Telegrams: "LANDSLOH LONDON." Telephone: HOP 898.

***AMERICAN AGENTS*—O. A. BROWN CO. INC., 99-101 Beekman St., New York.**
***CANADIAN AGENTS*—F. S. JARVIS & CO., 18 Toronto Street, Toronto.**

"CINEMA"

Crushed-Rose

FACE POWDER

WILL MAKE YOUR FACE A PICTURE of natural Beauty

250

PER CENT.

PROFIT

An unprecedented offer made with a view to more business with you.

Copyright in all countries by the "Cinema" Soap Co., London.

Send your Cheque for £2 . 2 . 0 for one gross of 6d. "Cinema" Face Powder and we will send you free of charge one gross of 6d. "Cinema" Dentifrice, complete with sale cards, carriage paid.

£7 . 4 . 0 for £2 . 2 . 0 DO NOT MISS THIS OFFER.

Never before in the history of advertised proprietaries has such an offer been made. There is only one condition, that is, you MUST promise when sending your cheque NOT to cut the selling price of 6d. We do not allow cutting.

This offer is for a limited period only. Cross cheques and make them payable to—

THE "CINEMA" SOAP CO. (Desk 16)

22 Finsbury Park Road - - LONDON, N. 4.

Phone: 3150 Mayfair.

The Gold Medal Hair Cream

ANZORA CREAM for greasy scalps, and ANZORA VIOLA for dry scalps. Obtainable from all wholesalers. Trade Terms on request.

During 1905 and 1910 ANZORA was awarded two Gold Medals at the London Exhibitions, because it was proved to be the ***only*** preparation on the market that effectually ***Mastered the Hair.*** Order your stock of ANZORA to-day.

ANZORA

Masters the Hair.

Anzora Perfumery Co., Willeden Lane, London, N.W. 6.

CL2410

"Jackel's Cream"

(without Grease)

for THE HAIR

Sold everywhere

Established 1883.

"Jackel's Cream" fixes the hair in any desired position; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

CRYSTALLISED 1/6 CREAM 2/6

Trade Mark attached to each bottle.

Jackel et Cie (of Paris) Ltd.

Sauchiehall Street

GLASGOW

EDWARDS' HARLENE
TOILET SPECIALITIES.

THE WORLD'S BEST.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?

"HARLENE" FOR THE HAIR
"UZON" BRILLIANTINE
"CREMEX" SHAMPOO POWDERS
"ASTOL" FOR GREY HAIR
"ASTINE" VANISHING CREAM
"ASTINE" TOOTH CREAM
"ASTINE" SHAVING STICK
"ASTINE" NAIL CREAM

NO CHEMIST OR STORE CAN AFFORD TO BE WITHOUT THIS UNIQUE LINE OF TOILET PREPARATIONS

It is most desirable in your own interest to carry a good stock of these preparations, as owing to the enormous demand created by a world-wide advertising campaign the number of customers is daily increasing. Do not put yourself in the unenviable position of turning money away. Thousands of sample packets are dispatched to the general public daily, comprising :—

1. A Trial Bottle of Harlene.
2. A "Cremex" Shampoo Powder.
3. A Trial Bottle of "Uzon" Brilliantine.
4. Book of Instructions
5. A Trial Bottle of "Astol."
6. A Sample of "Astine" Vanishing Cream.

FOLLOW THE TIDE OF SUCCESS.
Watch the Great Free Gift Advertising Campaign that brings the Customers to YOUR shop.

For Particulars, Terms, etc., write to

EDWARDS' HARLENE, LTD.,
20, 22, 24 & 26 LAMB'S CONDUIT ST., LONDON, W.C.1.

The Tooth Paste with the Odol flavour.

Anglodol

Dental Paste

A Perfect Dentifrice.
Pleasant to the taste.
Profitable to the Retailer.

Retail Price, 7½d. and 1/3.

Window display terms on application.

ANGLODOL, LTD., BERKHAMSTED.

Telephone: BERKHAMSTED 138. *Cables and Telegrams:* "ANGLODOL BERKHAMSTED."

ROURE BERTRAND FILS, GRASSE. *Established 1820.*

LAVENDER (French), SPIKE LAVENDER (French and Spanish)

NEROLI, GERANIUM (African and Bourbon), SANDALWOOD, PETITGRAIN (French and American), VETIVER (Java and Reunion), ROSEMARY, BOIS DE ROSE FEMELLE, YLANG, &c.

ORRIS CONCRETE and LIQUID.

ESSENCES, SOLIDES and LIQUIDS from flowers. RESINOIDS and POMADES.

We have Stocks in London of the most important Essential Oils and Perfumery Products.

JUSTIN DUPONT, Argenteuil (S. & O.), France

Makers of SYNTHETIC PERFUMES

and some of the finest original odours extant, for Sachets, &c.

SOLE AGENTS FOR THE UNITED KINGDOM:

STEPHENS BROTHERS & CO., 2, 5 & 6 Bury Court, St. Mary Axe, London, E.C. 3.

Wholesale Houses only supplied.

FACE CREAM. TOOTH POWDER. NAIL POLISH
„ POWDER. „ PASTE. HAIR CREAM
BRILLIANTINE, Solid and Liquid. PERFUMES
VIOLET POWDER. TALCUM. TOILET OATMEAL
SHAMPOO POWDER & LIQUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.
Send for samples and quotations.

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3

PHONE—AVENUE 1945.

MALACEÏNE

MALACEÏNE PRODUCTS

Manufactured by

"PARFUMERIE MONPELAS"

PARIS.

No.		Per Doz.	Retail Price P.A.T.A
62	Crème Malaceïne, Small size	15/-	1/9
63	,, ,, Medium size	30/-	3/6
64	,, ,, Large ,,	50/-	5/6
67	Poudre Malaceïne, Small ,,	25/-	3/-
68	,, ,, Large ,,	35/-	4/-
71	Malaceïne Toilet Soap	21/-	2/6
75	,, Perfume, each bottle in case	70/-	8/-
76	,, ,, loose	65/-	7/6
78	,, Shaving Soap	21/-	2/6

SPECIAL TERMS FOR HOME TRADE
Small quantities ... ... 7½% 1 Month.
£5 lots and upwards, 5% Invoice and 7½% 1 Month.

A £5 SAMPLE ORDER

	Will Cost You s. d.	*Will Realise* £ s. d.
1 doz. No. 62 Cream	15 0	1 1 0
½ doz. No. 63 Cream	15 0	1 1 0
½ doz. No. 64 Cream	12 6	0 16 6
½ doz. No. 67 Powder	12 6	0 18 0
½ doz. No. 68 Powder	17 6	1 4 0
½ doz. No. 71 Soap	10 6	0 15 0
½ doz. No. 76 Perfume	16 3	1 2 6
½ doz. No. 78 Shaving Soap	10 6	0 15 0
	£5 9 9	£7 13 0
5%	5 6	
	£5 4 3	
7½%	7 10	
	£4 16 5	

OR NEARLY 60% PROFIT.

Showcards and Booklets Supplied.

An extensive Advertising Campaign in all the principal Society Journals is now proceeding.

Sole Wholesale Agents for Great Britain and Ireland—

WILLIAM TOOGOOD LTD.
77, SOUTHWARK ST
LONDON, S.E.1.

"Newbery's"
FRANCIS NEWBERY & SONS LTD

Dental Cream *of* Distinction

IN THE FOLLOWING FLAVOURS—

Formalin & Mint *Carbolic*
Oxygen *Smokers'*
Areca *Thymol*
Cherry

A first-class article, attractively packed — which cannot fail to bring repeats.

CHARTERHOUSE SQUARE, LONDON, E.C. 1

GOOD PROFITS ON

KEENOLIA SPECIALITIES

			Trade Price	M.R.
Chilblain Balm In three size as advertised.		...	**11/-**	**1/3**
			15/-	**1/9**
			21/-	**2/6**
Hair Cream	4 oz. **7/-**	8 oz. **12/-**	per doz.	
Toilet Paraffin	4 oz. **9/-**	8 oz. **13/-**	,,	
Bay Rhum	4 oz. **8/-**	8 oz. **12/6**	,,	
Eau de Quinine	4 oz. **9/-**	8 oz. **13/-**	,,	
Brilliantines	1½ oz. **6/-**	2½ oz. **7/6**	4 oz. **10/-**	

Special Prices for quantities on application to the Manufacturers:

Ormside Chemical Co., Ltd.,
57 POLAND STREET, LONDON, W.1

The

HENNA CULT

of Hair Beauty, based on the famous

EVAN-WILLIAMS ORIGINAL HENNA SHAMPOO

daily extends its boundaries, and is now a subject for popular journalism.

It pays to sell this famous line.

You will find full details of the profits realised in the October issue of "THE SHAMPOO SALESMAN," a copy of which is gladly sent on request.

Be sure to order

THE EVAN WILLIAMS ORIGINAL Henna Shampoo

Wholesale only:
THE EVAN-WILLIAMS CO., LTD.
18 Ogle Street - LONDON, W. 1.

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

THE SUPER PASTE

"ENOLIN" IS ALSO SUPPLIED IN POWDER FORM, 6d. and 1s. TINS.

SOLE MANUFACTURERS & PROPRIETORS:

A. & E. CARRERAS, *Perfumers,*

207 King St., Hammersmith, London, W.6.

Selling Agents for Provinces, Ireland and Export: MESSRS. PATTINSON & MACKIE, LTD. Albion House, 59 New Oxford Street, London, W.C.1.

DECOLTENE The liquid hair remover

The intelligent depilatory. Simple, safe and effective. Can be used while performing the toilet.

Dinkie The Dainty Deodorant

The greaseless cream that takes all odour out of perspiration. Packed in attractive opal jars.

DIADEM Crême Rouge

Gives a natural colour to the cheeks. Far more convenient in use than dry rouge. Easily removable.

DIADEM Face Powder

Adheres readily to the skin. Made in Blanche, Naturelle, Rachel, Rose and Sunburn tints. In large artistic boxes, in distinctive style.

DIADEM Eau de Cologne.

A Perfume of most exquisite fragrance. Cooling, lasting and refreshing. In handsome sprinkler bottles.

DIADEM Vanishing Cream

A cream of rare purity and charm, put up in novel white globes and packed in dainty boxes in attractive style.

DIADEM WAX For the Complexion

Completely supersedes the customary greasy Toilet Creams. Pleasant in use and commands ready sales. In elegant large jars.

DIADEM Talcum Powder

The ideal powder for Nursery and Toilet. Choicely perfumed, and may be used with impunity on the most sensitive skin.

TRADE TERMS.

		P.A.T.A.	Trade per doz.
Decoltene Depilatory		3/9	30/-
Dinkie Deodorant		2/6	20/-
Diadem Face Powder		2/6	20/-
" Complexion Wax		2/6	20/-
" Crême Rouge		2/6	20/-
" Vanishing Cream		3/9	30/-
" Talcum Powder		1/3	10/-
" Eau de Cologne	1 oz.	1/9	14/-
" " "	2 oz.	3/3	26/-
" " "	4 oz.	6/-	48/-

NOTICE.

Artistic Showcards and Counter Matter free on request.

Robartes' Preparations are obtainable from all leading wholesale houses.

Largely advertised in all the leading dailies, weeklies and monthlies.

Further particulars and descriptive booklet forwarded on request.

ROBARTES, Ltd., Dyer's Buildings, Holborn Bars, London, E.C.1.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP - A complexion soap.	10/-	1/-
PROLACTUM - - For the lips.	10/-	1/-
PARSIDIUM JELLY - For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM - - A hair tonic.	22/6	2/6
CLEMINITE - - For a face lotion.	22/6	2/6
COLLIANDUM - - For a face tint.	22/6	2/6
PERGOL - - - A deodorant.	22/6	2/6
STALLAX - - - For a shampoo	22/6	2/6
JETTALINE - - For clearing the skin.	31/6	3/6
PHEMINOL - - A depilatory.	36/-	4/-
MENNALINE - - For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL - - - For oily complexions and blackheads.	36/-	4/-
BARSYDE - - - Dandruff eradicator.	22/6	2/6
TAMMALITE - - For grey or faded hair.	22/6	2/6
LIQUID PERGOL - To check excessive perspiration locally.	31/6	3/6
BICROLIUM - - For whitening the hands.	22/6	2/6
HARAPOSA - - - Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:
ALL WHOLESALERS and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY Ltd. (Johannesburg)

INDIA:
KEMP & CO., Ltd. (Bombay).
R. MACLURE (Madras).
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta).
JAMNADAS BROS. (Bombay).

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington).

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

Our Ads. in "Daily Mirror," "Sketch," etc.

THE LETTERS OF AMAMI

EXTRACT No. 5.

February 27th, 1920

Dearest,

Oh! the weather! S'awful, isn't it? Took Dodo for a tootle round the Park before lunch yesterday and 'twas !specially gusty. Was just passing Reggie & Cecil of the Guards partic'ly dignified when a sudden gust tore my—oh shame!—hat away, Dodo, Reggie & Cecil in breathless pursuit, a gallant return—s'quite romantic, what? Heard Cecil murmur something about "wish she would always walk sans chapeaux,*" and the infinite glory of a woman's hair, kissed by the wanton wind! And to think I owe all this to that wonderful little packet of AMAMI SHAMPOO!*

Love,
AMAMI.

A few appreciations from Chemists.

I. "I stock only 'AMAMI' Shampoo."
II "'AMAMI' Preparations have always been a good line with me."
III. "You allow a very fair margin of profit."
IV. "They will sell b tter at 6d. than at 4½d."
V. "'AMAMI' Preparations sell on merit alone."
VI. "My wife insists on 'AMAMI.'"

NOTE NEW PRICES—
3/- per Box.
6d. Single.
P.A.T.A. as from January 1, 1920.

TERMS.—40/- per gross, ***24/-*** per dozen boxes. ***10/-*** Display Bonus on ***£5*** orders equals ***100*** % on outlay.

Our ads. send new customers to your window. Do they come inside? Ensure this by making a display and incidentally securing the 10/- bonus allowed on £5 orders.

PRICHARD & CONSTANCE (Whol.), LD

Court Perfumers, 469 Holloway Road. *Tel.: North 3170.*
Established 1831. LONDON, N.7.

THE ONLY POPULAR SHILLING FACE CREAM ON THE MARKET

Ven-Yusa Cream

IS STILL ONE SHILLING.
GIVES YOU 33⅓% PROFIT ON SALE
BEST TERMS FOR **50/-** PARCEL

DAINTY AND ATTRACTIVE FOR THE COUNTER.

BEAUTIFUL SHOWCARDS SUPPLIED.

Any War Packages (Plain Corks) exchanged Free of Cost.

Write for Window-Show Terms to

C. E. FULFORD, Ltd.

CARLTON HILL, LEEDS.

It is important to note that each Bottle is guaranteed airtight under all climatic conditions

"KRASKA"

USED BY ROYALTY.

The only Perfect Liquid Nail Polish.

MADE IN TWO COLOURS,
ROSE AND NATURELLE.

Kraska Nail Polish ...	small	9/6 per doz.	Retail 1/2	each.
,, ,, ,, ...	medium	12/6 ...	... 1/8	,,
,, ,, ,, ...	large	19/- ...	... 2/9	,,
,, Hand Balm ...		10/- ...	... 1/2	,,
,, Bleaching Fluid		10/- ...	... 1/2	,,
,, Cuticle Cream		10/- ...	... 1/2	,,

Obtainable at All Wholesale Houses.

SOLE AGENTS:

FRANCISCO MAYER, Casilla 2869, Santiago, Chili.
C. E. COLLINGE & CO., 143 Cannon Street, London, E.C.4 *China & Straits Settlements.*
Mr. J. WINKEL, 21 Bierkade, The Hague, Holland.
A. E. & F. TOLLEY, Ltd., 26 King Street, Sydney, N.S.W. *Australia, New Zealand, India.*

Other Agents Entertained.

THE KRASKA CO. LTD.

7 BLENHEIM STREET, NEW BOND STREET, LONDON, W.1.

Please Note Alteration in ADDRESS.

Cold Cream

IN POTS, TINS, OR BULK.

ABSOLUTELY DEPENDABLE.
BRINGS REPEATS EVERY DAY.

Lavender Ice

FOR CHAPPED HANDS

A QUICK WINTER SELLER.

ALSO

Lanoline Cream, Lip Salve, Camphor Ice, Tooth Powders, Brilliantines, &c.

Samples free on application to

The Casson Chemical Co., Ltd.,
NEWTON RD., WESTBOURNE GROVE, W.2
Phone: Park 2884.

To Northern Traders

IN

Toilet Goods.

We **SPECIALISE** in **TOILET GOODS. NOT** a **DEPARTMENT**, but our **SOLE BUSINESS.**

TOILET PREPARATIONS of every description
TOILET BRUSHES for all purposes
TOILET COMBS & HAIR ORNAMENTS in great variety
TOILET REQUISITES of all kinds
TOILET SOAPS, CREAMS & POWDERS, nearly all brands

If in Lancs, Cheshire, N. Wales or Potteries; if in Yorks, Nottinghamshire, Lincolnshire or Midlands; if in Northern Counties, Newcastle district or Scotland—drop a line to the House, and we will arrange for our representatives for those districts to call. No Catalogues.

IT WILL REPAY YOU.

W. E. BINGHAM & CO.

Shudehill, MANCHESTER.

Telegs.: "Arneeta Manchester." Telep.: 1073 City.

POUDRE NILDÉ

in the sifter box

Appeals irresistibly to every woman. The quickest selling line of face powder ever shown.

Minimum Selling Prices:

POUDRE NILDÉ

in the sifter box.

SMALL SIZE, for the handbag -	**1/-**
LARGE SIZE - - - - -	**3/6**
Leather or fancy silk vanity cases, small size, with mirror - - - -	**5/-**
LARGE SIZE - - - -	**10/-**

ROUGE *INVISIBLE* NILDÉ

in the sifter box.

SMALL SIZE - - - - - -	**1/6**
IN LEATHER CASE - - -	**5/6**

SHOWS YOU 33⅓% PROFIT.

Through your wholesale house.

EACH BOX CONTAINS A PUFF

NILDÉ, PARIS

British & Colonial Agents: **8 Blenheim Street, London, W. 1.**

You can now purchase RAYMET Shampoos in small quantities from most Wholesalers on bonus terms showing over 100% profit on cost.

Every Show Outer (½-gross 3d. packets) has a form attached which, when filled up and returned to us, entitles you to receive 1 dozen 3d. packets free of charge.

Cost 10/- Retails 21/- Profit 11/-

(Each packet of ½-dozen 1/6 Cartons has a similar form attached which entitles you to one 1/6 Carton.)

It's so simple—no new account—very little trouble—and a liberal profit on a quick-selling article. Why not include a ½-gross Outer in your order to-night ?

The following Wholesalers stock Raymet Shampoos : Messrs. Ayrton, Saunders & Co. Ltd.; Barclay & Sons Ltd.; Butler & Crispe ; Duncan, Flockhart & Co. (Edinburgh); Hedges Ltd.; Hovenden & Sons Ltd.; May, Roberts & Co. Ltd.; Oldfield, Pattinson & Co. Ltd.; Raimes, Clarke & Co. Ltd.; Sangers ; T. & H. Smith Ltd.; Southall Bros. & Barclay Ltd.; Sutton & Co. Ltd.; John Thompson Ltd.; James Woolley, Sons & Co. Ltd.

RAYMET & CO., Ltd.

507/509 Harrow Road - - - LONDON, W. 10

These Striking Showcards

Will help you to sell Icilma

NOW being sent out with every DISPLAY order.

THE above picture is a *one-colour* reproduction of our newest set of showcards, which are printed in 13 colours. It does not adequately convey their real beauty, for these showcards are, in our opinion, the finest we have yet issued.

A well-arranged window show of our goods always ensures a goodly share of the business created by our advertisements coming to YOUR store. But the colour scheme of these is unusually choice, and we think they will help even more than usual.

On the groundwork of white are printed pretty pale blue bars, surrounded by a grey border with white lettering on bronze blue panels. The floral decorations round the panels are in pink and green, with edges of an orange tint. There are also several other dainty colourings.

Your next DISPLAY order secures a set (*number of cards vary according to size of order*) of these artistic showcards. When the show is finished please keep them, in the envelope supplied, for future use.

Icilma

Toilet Preparations

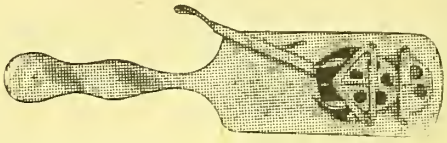
Price List and full details of display terms post free on request.

International Icilma Trading Company, Ltd., 37, 39, 41, 43, King's Rd., St. Pancras, N.W.1.

T.21. 24.1.20

The "REX" Self-Generating Electric Brush

(THE ONLY BRUSH OF ITS KIND IN THE WORLD.)



For the Hair, Headache, Nerve Trouble, Rheumatism. Direct Electricity for *immediate relief* for all pains and aches.

Since we first put this unique Brush before the public, some four years ago, the demand has been greater than the supplies, particularly so during the last two years. We beg now to intimate that we have trebled the production, and hope to be in a position from now on to execute orders without undue delay.

The "Rex" Electric Brush is greatly improved, stronger and better finished.

SOLD BY ALL FIRST-CLASS CHEMISTS AND PERFUMERS.

RETAIL PRICE, £2 : 2 : 0 complete with attachments.

REX IMPORT CO., LTD.,

Head Offices - - - - - "Rex" House, 202 Bath Street, GLASGOW.

Phone: DOUGLAS 471, 472. Grams: "GARSCADLEN GLASGOW."

LONDON OFFICE: 359 CITY ROAD, E.C. 1. WORKS: OSWALD STREET, GLASGOW.

BEWARE OF ANTHRAX!

and be on the safe side by buying French Made

SHAVING BRUSHES

Call, write, or phone, and we will submit you a variety for delivery from London Stock, or promptly, including

ALL HOG-HAIR—REAL and MIXED BADGERS

with boxwood, metal and bone handles.

Camel-Hair Pencils and Mops, Iodine, Throat and Varnish Brushes, Feeding Bottle and Tube Brushes. Hypodermic Syringes (French), alone or complete in N.P. cases. Special quotations for quantities.

Pocket Combs, Dressing Combs, Rakes,

EBONY MANICURE SETS

Ebony Polishers with Detachable Covers

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NICKEL SHAVING MIRRORS with Plain and Magnifying Glass

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January 1920.

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Some practical comments on this subject by a veteran pharmacist recently came under our notice, and we quote them here in the belief that they will be of general interest to the Trade.

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"Many chemists think," says our friend, "that their own business is too small to admit of the direct buying of the leading proprietary lines, but a close inspection of their invoices will soon show the fallacy of this idea."

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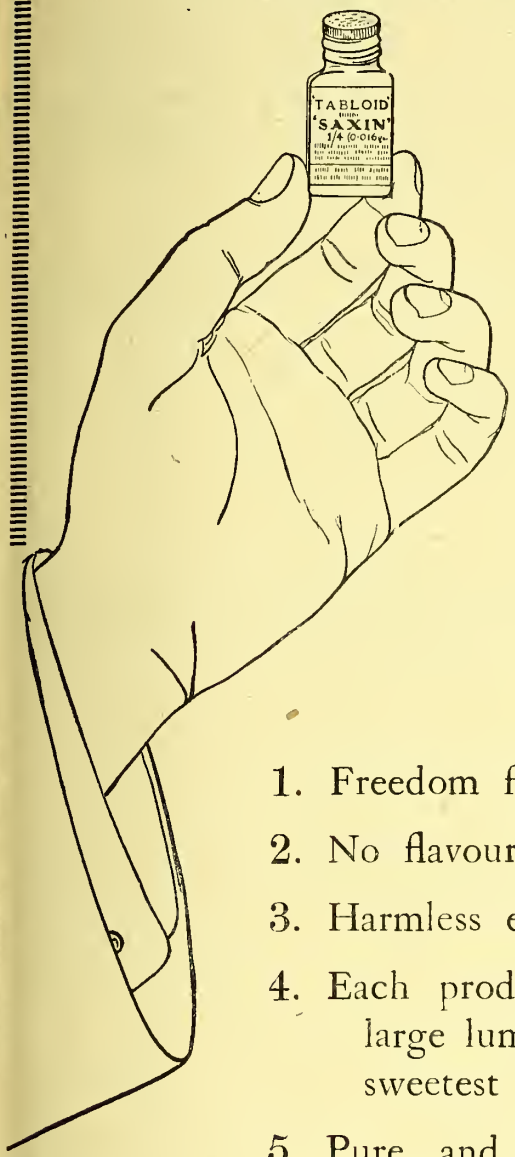

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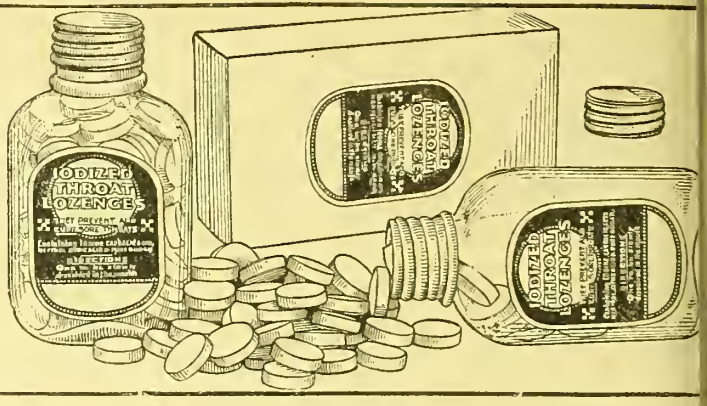

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Wills.

MR. JOHN CADGE, chemist and druggist, Walcot Hall, Diss, of Gostling & Co., who died on November 8, left estate valued at 517*l.* 15*s.* 3*d.* gross, with net personalty 397*l.* 2*s.* 11*d.*

SIR JOHN TOMLINSON BRUNNER, Bart., Silverlands, Chertsey, Surrey, chairman of Brunner, Mond & Co., Ltd., who died on July 1, has left estate of the gross value of 899,112*l.* 11*s.*, the net personalty being 768,740*l.* 2*s.* 3*d.* The testator gives to his eldest son, John, the option of purchasing the house and estate of Silverlands, with the live and dead stock and outdoor effects, at the price of the amount of the balance at the time of his death of the Silverlands Estate account in his private ledger; and if this option is not exercised, then his son Roscoe is to have a similar opportunity of purchasing the estate; to his two sons all Brunner Memorials bought or acquired by him in or from Switzerland, and also all trowels, keys, and similar articles, and addresses and public testimonials, and all portraits of himself when over forty years of age; to his son John, the testimonial presented to his father in 1850 by his old pupils, and the portraits of himself as a young man, his father and his first wife.

Experiences of the Great War.

Contributions to this section are invited.

XXIV.—The Introduction of Mustard Gas.

CORPORAL STEVENS climbed out of the dug-out and stood on the duck-board, for it was 2 A.M., and time to relieve the sentries in the front line. Shrapnel was droning overhead, bursting with a lazy whirr above the support line, and at regular intervals "heavy stuff" would find a mark in the village behind the Boche line. In the act of slinging his rifle over his shoulder, Stevens paused and sniffed the air. He could detect a well-known smell, gradually growing stronger. The corporal moved on to No. 1 post. "Say, Corp.," said the sentry, after establishing the identity of the newcomer, "smells like 'ome, don't it? Some bloke is cooking onions." Stevens agreed, and moved off, with an eye to business. He searched the sector, put his nose in every dug-out, but without success. Still, everywhere he went he could smell "garlic" and everyone he met mentioned the subject. Next morning the main topic was onions. After five days on bully-beef and biscuits, varied with biscuits and bully-beef and a bit of cake found in the bottom of the post-bag, what would one not give for a homely "Spanish"? At night the battalion was relieved, and when the new O.C. took over the sector and asked if there was anything unusual to report, the answer was, "Only a smell like a grill-room last night." Various rumours were current that a German must have been cooking. Others said that the smell came from the officers' dug-out; but this the mess-cook strenuously denied. It was not until some weeks later that the truth was known, when instructions were issued concerning a certain new gas which—smelt like onions. It was reputed to be very deadly; but fortunately the box-respirator was a certain protector against this new kind of frightfulness. Thus was the gas-shell introduced. Later, when the gas was better known, the peculiar smell was a signal for the word "Mustard" and the hasty donning of gas-masks. Towards the end of the war the Boche thought this type of gas was a very effective weapon against Tanks, and would shell heavily with gas-shells wherever the Tanks were expected to be lying. On the evening before the attack on Albert, the Germans, who anticipated it, shelled all the approaches to the front line with gas-shells, and literally filled the Méanete Valley. The effect on the Tank crews varied. Some, who wore masks for four hours before the attack, were immune from any ill-effects, while others, who were not so careful, were badly hampered by sickness and fainting-fits. For days after the "show" was over the Tanks smelt of onions. It must not be imagined that we had to endure it without seeing any reprisals. In the evening guns would be moved quietly forward, and hundreds of rounds of gas-shell fired. Nothing raised the *moral* of the troops more than to think of the "people opposite" hastily donning their masks and having a decidedly uncomfortable and "breathless" night.

A. DOUGLAS MASTERS.

CHINESE ANTIMONY.—China is the principal source of supply of antimony, where it occurs principally in the province of Hunan, while the smelting takes place in Changsa, Hankow, and Wuchang. The exports in 1917 amounted to 20,000 tons of crude, 15,000 tons of regulus, and 4,000 tons of mineral.

SYNTHETIC AMMONIA.—"The Times" states that the rights of the new French Georges Claude synthetic ammonia process have been secured for the United Kingdom, South Africa, India, Australia, and New Zealand by Cumberland Coal, Power, and Chemicals, Ltd., of which Mr. A. E. Barton is chairman. With him is associated an influential British financial group, which intends erecting extensive works in Cumberland as quickly as possible, to produce on a large scale synthetic ammonia for the production of fertilisers, nitric acid, and other chemical products from ammonia.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Clearing Office for Enemy Debts.

The Controller of the Enemy Debts Clearing Office has issued a statement that the pre-war rate of exchange on Germany referred to in the Treaty of Peace, at which debts or claims against German nationals are convertible into British currency, is 20.5075m. equals 1*l.*, and that the calculation must be made by the creditor or debtor before preferring his claim or tendering payment of his debt. Notice is also given to debtors of German nationals for sums of under 50*l.*, who were not required under the proclamation to register their debts with the Public Trustee, that they are required at once to pay to the Controller at Cornwall House, Stamford Street, London, S.E. 1, the amount of such debts with interest at 5 per cent. per annum from August 4, 1914, except in cases where the debtor is liable to pay interest at some different rate or from some other date. Creditors in preferring their claims are requested to comply with the directions in the margin of the form of proof and circular letter which was sent to them by the Controller. It is of importance that two extra copies of the detailed particulars of the account, which is endorsed on or exhibited as proof, should be attached to it when lodged at the Clearing Office.

Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

At Southwark, Ellen C. Stephens (40) committed suicide by taking carbolic acid while of unsound mind. Four bottles of chlorodyne were discovered in her bedroom.

At Westminster, on January 20, an inquest was held on the body of Alexander Bradford, who had been found dead in a hotel with a bottle containing laudanum. Dr. W. Forsbrook certified that death was due to narcotic poisoning. Much of the past history of the deceased was of a sordid character, and the Coroner, in summing-up, described him as a thoroughly undesirable scoundrel.

At Oswestry, on January 19, an inquest was held on the body of Mr. Henry T. Wakelam, county surveyor and engineer for Middlesex. The evidence showed that on the previous afternoon he had drunk hydrochloric acid in mistake for a medicinal water which he was taking as an aid to digestion. Death was certified as due to heart-failure. The Coroner returned a verdict in accordance with the evidence, and remarked that the acid should have been in a blue bottle instead of a bottle similar to that containing medicine.

Birmingham.

Impetigo is rampant in Birmingham, says a local observer.

The Lord Mayor of Birmingham (Alderman W. A. Cadbury) entertained Prince Henry on the occasion of his recent visit.

The current craze for dancing has brought an increased demand for perfumes and toilet preparations almost innumerable. A healthy exercise!

As previously intimated in the *C. & D.* (1919, p. 1458), Mr. C. Grant Robertson, C.V.O., M.A., is the new Principal of Birmingham University.

In a case of domestic friction recently before a local Bench, the wife stated that her husband was killing himself by taking "phosporine, salts, pills, and brandy."

Mrs. E. M. Shakespeare, D.Sc., wife of the acting professor of physics at Birmingham University, has been awarded the Murchison medal by the Council of the Geological Society of London.

The annual scientific exhibition of the Midland Institute, suspended during the war, has been restored to its place in the life of Birmingham. It includes some Lumière photographs by Mr. W. Partridge (Southall Bros. & Barclay, Ltd.), and a display of Crookes' Collosols.

Complaints are appearing in the local Press against the summoning of an excessive number of tradesmen to serve on juries. Most of these citizens are not required, and have to remain in Court on the off chance.

Liverpool.

The Liverpool Health Committee has resumed its offer of 6*d.* for each dead rat produced—a much more liberal payment than is credited to some other cities.

Ayrton, Saunders & Co., Ltd., have received a letter from the chairman of the Liverpool Hospital Saturday Fund, congratulating them on the collection (57*l.* 18*s.* 5*d.*) lately made by their employés.

Business is brisk in the wholesale houses, and the retail trade shows some recovery from a brief period of check. Bitter winds alternating with abnormal warmth have produced an epidemic of colds.

A suburban chemist had a curious experience lately. On being asked by a small boy for a child's camera, and finding that the boy had only a 5*l.* note, he inquired his address and accompanied him to his home. The boy stated that his mother was upstairs alone and ill. Receiving no answer, the chemist went up; he then found that the woman had died.

An interesting forecast of the extended use of electric power in chemical processes was given by Professor E. W. Marchant, D.Sc., at a meeting of electrical engineers in Liverpool on January 19. Dr. Marchant said that the problems relating to the application of electric power in chemical processes are only beginning. "As time goes on, there will be an enormously increased use of it for these purposes . . . we shall have large super-stations scattered up and down the country, which will generate power on a very big scale, and will be able to supply very cheap power for all kinds of chemical work."

Manchester.

The Manchester Co-operative Society has been advertising for a qualified chemist.

Placards are to be seen outside the Town Hall describing how the citizen can combat the rat plague.

The lantern lecture entitled "War Photographs" given recently before the Manchester Pharmaceutical Association by Mr. J. Cleworth received complimentary notices in the leading local papers.

One suburban chemist is wondering whether the window-bills which he has displayed on his shop windows, depicting dead rats, are responsible for the visit of a large rat the other morning. When he opened his shop door, the first visitor he had was this inquisitive rodent, which promptly met its fate in the mouth of an alert fox terrier.

A Salford correspondent, referring to the new terms for Insurance dispensing and to the fact that the Salford chemists always objected to the system of pricing prescriptions to the second place of decimals, and advocated that 0.1*d.* should be the minimum for each item (*C. & D.*, Jan. 17, p. 47), states that the last-mentioned suggestion was sent to the Local Associations' Conference and accepted. It is now granted by the Ministry of Health.

Sheffield.

The Sheffield Pharmaceutical Students' Association has arranged for a fancy-dress ball to be held at the Imperial Rooms early in April.

The local Roll of Honour is now being compiled. Any names of later date than 1917 which have not been handed in should be forwarded at once to Mr. H. B. Hammond, 19 Haymarket.

At the invitation of the Grants Committee, Appointments Department of the Ministry of Labour, the secretary of the Sheffield Pharmaceutical Committee attended at St. Ermyn's Hotel, London, on January 14, in the interests of demobilised students.

The "Portascope," a remarkable invention by a Sheffield man, is to be placed upon the market shortly. It is claimed that by its means cinematography will be placed within the reach of amateur photographers. The price of the machine is to be moderate, and the weight 3½ lb. It will be manufactured in Sheffield.

Miscellaneous.

POISON-LICENCE APPLICATION.—J. & M. Snelgar, seedsmen, Milford Street, Salisbury, have applied to the Salisbury city council for a licence to sell horticultural poisons.

METHYLATED-SPIRIT DRINKING.—A verdict to the effect that death was accelerated by drinking methylated spirit was returned at a Kensington inquest, on January 17, on the body of William Hamilton (74), a retired linen-draper. It was stated that four methylated-spirit bottles, one of which contained a quart, were found beside the body.

AERATED WATERS TRADE BOARD.—The "London Gazette," January 20, contains the notice of the proposal to fix minimum rates of wages for male and female workers in the aerated-water trade. Objections to the proposed rates should be sent to the Secretary of the Aerated Waters Trade Board (England and Wales), 5 Chancery Lane, London, W.C. 2, within two months of January 19.

WORKS VISITED.—By permission of James Woolley, Sons & Co., Ltd., Manchester, twenty students of the pharmaceutical department of Wigan Mining and Technical College, accompanied by their lecturer, Mr. T. H. Winstanley, pharmacist, were shown the company's manufacturing laboratories at Cheetham on January 14. Mr. Franklin, the works manager, conducted the party round, and gave an instructive demonstration of the various processes adopted, which was greatly appreciated. The party were afterwards entertained to tea in the Ice Palace Restaurant by Messrs. Woolley.

BRITISH OPTICAL ASSOCIATION.—It has been decided by the Council that during 1920 permission will be given to suitable applicants to sit for the Fellowship Final examination of the Association without necessarily holding the Dioptric Intermediate or other certificate of the Association, provided that such applicants hold already the diploma of the Spectacle Makers' Company by examination held prior to December 31, 1918, or are in possession of a full science certificate issued by a recognised University. Application for particulars should be made to Mr. John H. Sutcliffe, secretary, Clifford's Inn Hall, Fleet Street, London, E.C. 4.

FIRES.—An outbreak of fire, caused by a defect in electric-light fittings, occurred on January 15 at the branch shop of Mr. S. Long, chemist and druggist, at 128 Upper Clapton Road, London, E. 5. Some damage was done to the stock and fixtures.—On January 20, the ignition of the vapour of alcohol on the premises of W. J. Bush & Co., Ltd., manufacturing chemists, Ash Grove, E. 8, resulted in considerable damage to the department in which it occurred. On January 20 a fire broke out in the premises of the Anzora Perfumery Co., High Road, Kilburn, London, N.W. All efforts to quell the outbreak were unsuccessful, and the premises were completely gutted. We understand that the proprietors have a large stock in reserve in other factories, and business will continue as usual.

IN THE COURTS.—At Oswestry Police Court, recently, George Lloyd (17) and William E. Brown (16) were remanded on bail on a charge of breaking and entering into the shop of Boots, Ltd., Church Street, and stealing goods value 8*s.* 7½*d.*—At the Old Bailey, London, on January 20, evidence was given in the course of a trial for murder as to the price of certain pills sold at a shop in Villiers Street, W.C. Edgar Goulding, manager of the shop, stated in evidence that he sold these pills at 10*s.* a box. He got them from a firm in Lambeth. Mr. Justice Darling: What do you pay for them?—Ten shillings a dozen boxes. The Judge: Ten shillings a dozen boxes, and you sell them at 10*s.* a box?—I did not fix the price. Mr. Justice Darling questioned the witness closely as to the owner of the shop. Witness said the owner was John Nathan, and he lived in Great Russell Mansions. Dr. Spilsbury was called, and was asked by the Judge: Do you know of any ordinary pills which are sold at 10*s.* a box?—I can think of none so valuable as that. I know these pills are sold at fancy prices, but not by reputable chemists.

Scottish News.

Brevities.

There seems to be much discontent with variations between retail lists.

Now that Scottish Insurance terms have been settled, the current topic is the wages question.

Wholesalers are now accepting orders with the reservation "subject to acceptance by railway company."

Mr. William J. Thomson has opened a pharmacy at Ecclefechan. Mr. Thomson is already well known in this locality.

At a certain Scottish college of pharmacy a student, on being asked during a lecture what the freshness of drugs depended on, answered, "The wholesale price."

Mr. J. S. Stewart, chemist and druggist, Auchterarder, has been appointed a member of the new management committee of Auchterarder Merchants' Association.

Mr. A. L. Spalding, a Dundee citizen, has, it is stated, discovered a new and rapid process for the manufacture of flax. It is claimed that nineteen commercial products can be obtained from the flax straw.

The William Browning Co., Ltd., London, N.W., have appointed their Scottish representative, Mr. Gordon Hogg, to fill a position in London. Mr. H. S. Sharpe has been appointed as the company's Scottish representative.

Edinburgh.

Saccharin tablets are selling well again.

Mr. Thomas Stephenson, Ph.C., F.R.S.E., has been appealing to the members of the Edinburgh Rotary Club for support for the Royal Infirmary.

"Pharmacy United" has, according to a local critic, the finest half-back line in the League, and a strength in defence superior to that of any other team. A moral suggests itself!

In contradistinction to the advertisement quoted in the *C. & D.* last week (p. 49), in which 3*l.* 3*s.* a week was offered to a qualified chemist, a correspondent informs us that recently a friend of his, with the Minor qualification, was offered 5*l.* 5*s.* weekly.

In the gallery of a local theatre, the other evening, a slight fire caused a bit of a stampede among the occupants of the gallery. A lady student of pharmacy who was present was asked, later, if she had not been frightened. "No," she replied thoughtfully, "I went down to the front and got a better seat!"

Glasgow.

Damage estimated at over 5,000*l.* was caused by an outbreak of fire at the Provan chemical works of Brotherton & Co., Ltd., on January 15.

A local paper states that small squares of "camphor," consisting of candle-grease with an insignificant coating of powdered camphor, are being hawked here.

A successful reunion and dance of past and present students of the Glasgow School of Pharmacy took place on January 13 in the Prince of Wales' Hall, Sauchiehall Street. It was well into "the wee sma' hours" before the happy gathering dispersed.

"The Chemists' and Druggists' Year-Book for Scotland" for the current year has just been issued under the editorship of Mr. J. B. McVitae. The work is arranged on similar lines to previous volumes, the trade papers, including THE CHEMIST & DRUGGIST, having been "freely drawn upon for recorded facts and confirmation of facts otherwise learned." Lists of retail chemists, trade organisations, and "medical specialists," together with articles on new remedies, and a humorous sketch by Mr. J. P. Gilmour (who formerly edited the book), constitute the bulk of its 304 pages. The absence of "Pharmaceutical Formulas" from the list of "well-known books of reference at present recognised by the Board of Customs and Excise"—of which class it was the first to obtain recognition—is somewhat marked.

Irish News.

Brevities.

Mr. J. E. Cooke, Ph.C., the Medical Hall Gorey, has been returned by a large majority at the head of the poll in the recent Town Council elections (*C. & D.*, January 17, p. 49). Mr. Cooke headed the poll five years ago.

Following Sir Stanley Harrington's purchase of the premises of Kiloh & Co., Ltd., Cork, the staffs of that establishment and the Cork Chemical and Drug Co., Ltd., have become amalgamated. Substantial bonuses were given to those whose services were dispensed with.

According to a statement made to the Press by Mr. R. J. Kidney (secretary to the Federation of Irish Chemists' (Employers) Association) and Mr. J. E. Payne (organiser of the Shop Assistants' Union, Chemists' Section), the terms of settlement of the assistants' strike apply to the whole of Ireland, consequently Limerick is not excluded (*C. & D.*, January 17, p. 49).

The pharmaceutical candidates from the North of Ireland fared well at the Urban Council elections, the results of which were made known on January 16 and 17. At Ballymena, Mr. Huston Lancashire, J.P., Ph.C., headed the poll in the Town Hall Ward; at Portrush, Mr. Alfred C. Scott, J.P., R.D., was successful; and in Antrim, Mr. F. T. Smith, J.P., an ex-president of the Ulster Retail Drug-trade Association, had a high poll. Mr. R. F. McCartney, Ph.C., was re-elected in Coleraine, Mr. J. E. Connor, J.P., was returned in the North Ward at Newry, and Mr. Thos. Sandford, R.D., headed the poll in the Central Ward at Newtownards.

Belfast.

Johnson Brothers, distributing agents, have removed their Belfast office to Duncrue Street. The Dublin address is Great Ship Street.

After the strike most of the assistants resumed work on January 14. Grattan & Co., Ltd., Corn Market, gave the returned assistants a week's holiday at the company's expense, as vacancies were filled during the strike. It is understood that, in such cases, men will be only taken back temporarily until permanent situations can be found for them.

Dublin.

Dr. J. C. McWalter has been returned as a councillor for his old ward in the Dublin Corporation after a strenuous opposition. He was formerly an alderman of the Corporation.

During the night of January 15 the plate-glass window in the shop of Mr. A. J. Cahill, Ph.C., 82A Lower Dorset Street, was smashed, safety razors and toilet soaps to the value of 5*l.* to 6*l.* being stolen.

The Local Government Board has complained to the Dublin Board of Guardians referring to the waste in ordering large quantities of medical and surgical appliances. The L.G.B. considers that, in addition to the irregular manner in which the supplies were obtained, the charges for a large number of items are too high, and if it is agreed to discharge the claims of W. Murphy & Co., Ltd., a discount of 15 to 20 per cent. on the total should be obtained. An immediate reply was requested.

Irish Assistants' Wage-Scale.

Following the summary of the terms of the agreement reached between the representatives of the Federation of Chemists' Associations and the Assistants' Union, and published in the *C. & D.* January 17, p. 49, we give below the complete new scale. The "All-Ireland" minimum-wage scale put forward by the Assistants' Union was quoted in the *C. & D.*, 1919, p. 927:

Assistants.—First year after apprenticeship, 47*s.* 6*d.* per week; second year, 52*s.* 6*d.*; third year, 65*s.*; fourth and subsequent years, 67*s.* 6*d.*

Qualified Assistants.—5*s.* extra on above rates, if employed as such.

Qualified Chemists.—20*s.* per week extra on the unqualified assistants' rates, if engaged as such.

Female Assistants.—7*s.* 6*d.* per week less than above rates.

Registered Druggists' Assistants.—When working with registered druggists, first year, 42*s.* 6*d.* per week; second year, 47*s.* 6*d.*; third year, 60*s.*; fourth year, 62*s.* 6*d.*

Registered Druggists.—In druggist's shop, and engaged as such, 5*s.* extra on above rates, or same as unqualified assistant of Pharmaceutical Society.

A Registered Druggist's Apprentice or Assistant wishing to learn compounding with pharmaceutical chemist must first take out his Preliminary or equivalent examination of the Pharmaceutical Society. Wages, first year, 40*s.* per week; second year, 45*s.* Fees, optional with employer.

Registered Druggists with Pharmaceutical Chemist, training, to receive 5*s.* above unqualified chemists' assistants' rates, if engaged as such.

Druggists' Apprentices.—Limitation on same terms as pharmaceutical chemists' apprentices.

Locum Tenens.—Qualified chemist (outdoor), 5*l.* 5*s.* per week; assistant (outdoor), 4*l.* 4*s.* Return rail fare travelling back, and when employment is indoor 20*s.* per week less on above rates. Living in: 25*s.* per week to be deducted for board and lodging where assistants are living in.

General Conditions.

Hours of Employment.—50-hour week of seven days, not more than four hours to be worked on any Sunday. The Federation undertakes to investigate the question of reducing the Sunday hours. Female assistants, 44-hour week.

Apprentices.—Four years to be served with one firm; Preliminary or equivalent examination to be gained before commencement of apprenticeship. No person shall be employed as an assistant who has not completed his apprenticeship of four years with one firm, except in the case of death or employer going out of business.

Premiums.—In the case of outdoor apprentices the same sum shall, at least, be returned during the apprenticeship in the form of wages, and any further consideration of remuneration of apprentices shall be postponed for one year and in the meantime, at the request of the Ministry of Labour, the Federation undertakes to investigate the question. The Federation also desires that the question of apprentices for branch shops be discussed. One apprentice only may be kept by a pharmaceutical chemist or firm keeping open shop, unless he employs one assistant, in which case a second apprentice may be employed at the end of the second year. Where the number of assistants is four a third apprentice may be employed. Limit of apprentices three. Individuals in partnership and limited companies legally qualified to keep open shop will have the same right to take apprentices as single proprietors.

Overtime for Apprentices.—The Federation agrees that the employment of apprentices on overtime is undesirable. Claim of assistants who have salaries at or above the new minimum rates to receive an increase rejected, but the Federation agrees to communicate with their members recommending the request of the Assistants' Union for their best consideration.

Overtime.—Time-and-a-quarter for first six hours; time-and-a-half for any further period in the same week. Night bell and Bank Holidays, as per Dublin award of December, 1918 (*C. & D.*, 1918, p. 963).

Annual Holidays.—Two weeks after twelve months' continuous service with one employer; or after six months one day for each month—time for holidays to be mutually arranged between employer and employé. Total annual holidays in any year not to exceed two weeks.

Future Engagements.—All future engagements to be subject to the terms and conditions of employment as set out above.

Reinstatement.—The Federation agrees to the complete reinstatement of all employés, but as some employers have been obliged to take on permanent assistants it is agreed by the Union that any surplus labour thus produced may be transferred from time to time to any suitable vacancies occurring elsewhere.

Retrospective Pay.—Demand rejected. The Federation agrees that their members must not offer any inducement to employés to leave the Union, and in consideration of this undertaking the Union undertakes that their members will not interfere with employés who are not members and who are unwilling to join the Union.

The agreement is signed by Mr. R. J. Kidney, secretary, on behalf of the Federation of Irish Chemists' (Employers') Association, and Mr. J. E. Payne, organiser, on behalf of the Chemists' Section of the National Union of Shop Assistants, Warehousemen, and Clerks.

The Profiteering Act.

Notes.

COMMITTEES AND COURTS.

The Blackburn Profiteering Committee recently directed the prosecution of a tradesman after hearing a complaint. When the case came before the magistrates (on January 16) they decided that there had been no profiteering, and dismissed the case. The argument was advanced that the Bench had no power under the Act to investigate the facts, as this had already been done by the Profiteering Committee, the magisterial function being to decide what punishment should be inflicted. The Bench ruled otherwise.

BOARD OF TRADE'S VIEW.

In response to a request from the Feltham Profiteering Committee, the Controller of the Profiteering Act Department of the Board of Trade has written as follows :

In reply to your letter of the 28th ult., I am to say that it is exceedingly difficult for the Board of Trade to lay down any hard-and-fast rule which will be applicable to all commodities; and, in fact, the Profiteering Act expressly provides that it is for the local Committee, after giving the parties an opportunity of being heard, to declare the reasonable price for the article concerning the sale of which a complaint has been made. In accordance with Section 1 (1B) of the Act, the local Committee, in declaring the price, must have regard to all the circumstances of the case, and in view of the fact that a retailer who has bought goods some time ago which have since fallen in price is compelled by the ordinary laws of supply and demand to sell at the current market price, notwithstanding the fact that he makes a loss on the transaction, it is not considered unreasonable that regard should be had to the converse case, nor is it considered that a retailer who sells goods at the current market price can in all cases be said to be profiteering, even if the current market price is greater than the price at which the goods were originally purchased. Your Committee will also appreciate that in many cases a retailer who has had goods in stock for some time has had his capital locked up in the goods, and therefore his capital has earned no interest; moreover, in some cases the retailer may have incurred expense in storing the goods. As stated in the circular letter of September 9 last, it is not the intention of the Board of Trade to hamper or restrict legitimate commercial enterprise, or to prevent any person or company from making a reasonable profit on their business transactions, and in these circumstances regard should always be had to the current selling price of the articles concerning which a complaint has been made, and it by no means necessarily follows that a retailer selling, at the current selling price, goods previously bought at a lower price can be said to be profiteering.

Appeals.

At the sitting of the London Profiteering Appeal Committee on January 15, Mr. R. W. Walden, J.P., presiding, Mr. Robert Blackie, chemist and druggist, appealed against a decision of the Bermondsey Profiteering Committee ordering a refund of 2*d.* on a ¼-oz. block of camphor sold for 6*d.* at one of his branches, and 1*d.* on a similar block sold at another branch, and directing a prosecution (*C. & D.*, 1919, p. 1364). Mr. J. Jowett, manager to Mr. Blackie, said that chemists charged 50 per cent. on turnover in the case of camphor. Many of their articles were sold at a very small profit. In handling 1 lb. of camphor in ¼-oz. blocks there were sixty-four sales; this meant the use of sixty-four pieces of paper, and occupied time. The wholesale price at the time of the sale was 21*s.* 4*d.* per lb. The appellant could not replace camphor at the price fixed as the selling price by the Local Committee. A similar complaint at Lambeth had been dismissed. The Chairman : We are not bound by any decision that has been given elsewhere. Proof of the statement as to the wholesale price at the time of sale was asked for by the Committee; and Mr. Jowett, who had not brought the necessary price-list, appealed to Mr. Alfred Higgs, J.P., Kingston-on-Thames, who was present in connection with another case, to give evidence. Mr. Higgs produced a wholesale-price list for October 1919 which confirmed the statement. Mr. Jowett explained that Mr. Blackie had a wholesale and a retail business. The Chairman : Your contention is that the wholesale business is distinct from the retail? The representative of the local Committee told the Appeal Committee that Mr. Blackie purchased camphor at 14*s.* 8*d.* per lb. and invoiced it to his retail shops at 16*s.* 6*d.* and 17*s.* 6*d.* The local Committee had communicated with the Board of Trade as to whether replacement had to be taken into account, and the Board had replied that no order to that effect had been issued. Mr. Jowett urged that Mr. Blackie had overhead charges to consider, and that his wholesale business had nothing to do with the case. The Chairman : If a wholesaler came to you for camphor, what would you have charged him?—I should have added 10 per cent. Would you sell anyone camphor at your wholesale place of business?—No. Mr. Jowett added that years ago Mr. Blackie was a retail chemist. He then developed into the wholesale, which had been a big success. He had still an investment in the five or six businesses, but they were being purchased gradually by those who conducted them. After consideration in private, the chairman said that the Committee had given careful consideration to the case, and that the appeal would be allowed.

At the same sitting, Parke's Drug Stores, Ltd., appealed against a decision of the Hackney Profiteering Committee ordering a refund of 5½*d.* on a charge of 1*s.* made, at a local branch, for 2 oz. of absorbent cotton-wool, and directing a prosecution (*C. & D.*, 1919, p. 1431). Mr. F. W. Crossley-Holland, barrister, who appeared for the appellants, contended that the profit was not unreasonable. The wool was purchased by Parke's Drug Stores, Ltd., twenty months before this sale, in a 1-ton lot at 2*s.* 11*d.* per lb. The order of the Committee was contrary to law, as it disregarded Section 1 (2) of the Act. Mr. Crossley-Holland read the relevant passage. The Chairman : Do you understand the quotation from the Act?—Yes, I venture to think I do. Continuing, Mr. Crossley-Holland said that he would be able to prove that the profit earned on this sale was less than the pre-war profit. The appellants had not made an unreasonable profit, and the price fixed by the Committee showed a profit of 32.6 per cent. on a transaction which had its genesis eighteen months before the sale to the complainant took place. Taking the market price in October 1919 and the price fixed by the Committee, the rate of profit was only 19.2 per cent. It had been shown that the average overhead charges of a pharmacy were 25 per cent. of the gross returns, that the rate of profit referred to was gross profit, and, further, that on the sale of the wool at 1*s.* for the 2-oz. packet the appellants did not make an unreasonable rate of profit. He put in, in support of his contention, the Scottish Chemists' Retail Price List for October 1919. The Hackney Committee's Representative : I should like to know what a Scottish list has to do with us in London! Mr. Crossley-Holland : This price-list is published by the Glasgow and West of Scotland Chemists' Association, a well-known trade association. The Chairman : Is this Association a wholesale one, or is it composed of retail chemists? Mr. Crossley-Holland : It is a retail-trade association. The appellants are wholesale druggists, besides being retail chemists in a large way of business; they buy in quantity. In October, when the sale took place, the market price of the wool was 3*s.* 6*d.* per lb.; this price would show a profit of 56.25 per cent. compared with a pre-war profit of 64.58 per cent. Mr. Alfred Higgs, J.P., treasurer of the Thames Valley Pharmacists' Association, was called in support of the opening statement. He said he represented the appellants before the Local Committee, Messrs Parke being members of the Thames Valley Association. In reply to questions, he said that since the beginning of the war overhead expenses in pharmacy had increased, and that the figure of 25 per cent. overhead charges was a pre-war estimate arrived at by a Departmental Committee appointed to investigate chemists' profits, under the National Health Insurance Act, in 1915. He referred to the large quantity of patent medicines that were sold by chemists (returning an average profit of 16.5 per cent.), and added that chemists, in order to make their business pay, must make a

larger percentage of profit on other articles. Cross-examined by the Hackney Representative: This Association referred to is formed to look after the interests of chemists?—It was formed when the National Insurance Act was passed. A sort of trade-union?—The Association and kindred ones are not trade-unions, but associations formed for the discussion of matters affecting pharmacy and for social and friendly intercourse, and also to assist the Government to carry out the Insurance Acts in an efficient manner. Asked why the Scottish list was produced, Mr. Higgs said that the list is not specially applicable to Scotland (for the Profiteering Act applies to the United Kingdom), and that the price-list is based on a rate of profit which does not exceed the average pre-war rate of profit. In reply to the chairman, he said it was the custom to get a profit of 64.5 per cent. on cotton-wool before the war. Evidence was given by the works manager of Parke's Drug Stores, Ltd., to the effect that the wool sold was part of the consignment referred to on the invoice and contract produced, and that no other contract had been made during the last eighteen months for 2-oz packets of wool. The Chairman said that the Committee had given the case a careful hearing, but they did not consider that sufficient evidence had been given regarding the pre-war rate of profit on cotton-wool to bear out the contention of the appellants that the profit earned was not unreasonable. The appeal must be dismissed.

At the sitting of the same Committee on January 19, W. Bridge, a St. Pancras tradesman, appealed against a decision of the local Committee ordered him to refund 6*d.* on a charge of 1*s.* made for 1 lb. of French chalk, and directing a prosecution. Mr. Fox-Andrews, in opening the case for the appellant, said that the French chalk in question was bought with the business twelve years ago. The sale was very small, and the selling price had not been varied. The appellant having given confirmatory evidence, Mr. Alfred Higgs, J.P., Kingston-on-Thames, stated that the pre-war wholesale price of this article was 3*d.* per lb. and the retail price 8*d.* The respective prices were now 6*d.* and 1*s.*, showing a smaller percentage of profit than before the war. Cross-examined by the clerk of the St. Pancras Profiteering Committee: He did not know the firm who (in reply to the clerk) had quoted 20*s.* per cwt. There were different grades which varied according to colour and fineness of the powder. The chairman announced that in the opinion of the Committee there was no evidence of profiteering, and that the appeal would be allowed.

Complaints.

BERMONDSEY.—At a recent sitting of the Profiteering Committee, Mr. A. I. Lardent, trading as A. C. Hancock, Ltd., Tower Bridge Road, S.E., again appeared in answer to a complaint of alleged profiteering on the sale of 1 oz. of camphorated chalk, for which 5*d.* had been charged (*C. & D.*, January 17, p. 50). The two samples put in at the previous sitting had been analysed; it was stated that the one bought from respondent contained 2.4 per cent. of camphor, and that from Boots, Ltd., 1.9 per cent. The analyst added that in twenty-four hours the chalk lost 1.7 per cent. of camphor. Four weeks had elapsed since the samples were bought. Mr. C. H. Kirby (Neve, Beck & Kirby), who appeared for the respondent, said that he had had two samples of camphorated chalk analysed—that made by respondent containing 11.8 per cent. of camphor, and that by Messrs. Boots, 9.1 per cent. Mr. Kirby said that camphorated chalk was made up by respondent, and cost him 3*d.* per oz., so that to sell it at 5*d.* per oz. only gave him a profit of 2*d.* to cover his labour and other expenses. The chairman pointed out that when respondent bought the business camphor was only 11*s.* a pound. Mr. Kirby said the Board of Trade had laid it down that a trader had the right to take advantage of the rise in market prices. Two Appeal Committees had taken the same view. The chairman said they had received no letter from the Board of Trade to that effect. The Committee ordered respondent to refund ½*d.*, and directed that he should be prosecuted.—At the same sitting, Mr. J. S. Moore, chemist and druggist, Grange Road, S.E., was the respondent in a complaint of charging 1½*d.* for 2 oz. of bicarbonate of soda. Mrs. Moore represented him, and produced an invoice showing that the bicarbonate of soda was bought in 2-oz. packets at 9*d.* per dozen. The Chairman: That shows a profit of 100 per cent. on the sale. The Committee ordered a refund of ½*d.*, and directed a prosecution.

BRIXTON.—At a recent sitting of the Profiteering Committee, William Redpath & Son, chemists, Norwood Road, S.E. 27, were the respondents in a case in which it was alleged that 2*s.* 4*d.* had been charged for 2½ oz. of camphorated oil. The bottle, on being produced, was found to be a 6-oz. bottle more than half full. The complainant then admitted that the quantity supplied might have been 3½ oz. The case was withdrawn.

CHISWICK.—At the sitting of the Profiteering Committee on January 21, S. W. Harrison & Son, chemists, Chiswick High Road, W. 4, were the respondents in a complaint of alleged profiteering on a sale of Veno's Lightning Cough Cure. It was stated that the sale took place on Boxing Day, and that to the protected price of 1*s.* 3*d.* a fee of 3*d.* was added. Mr. Fox-Andrews, instructed by the Chemists' Defence Association, Ltd., appeared for the respondents. After a lengthy hearing, the case was adjourned for inquiries to be made by the Committee.

EASTBOURNE.—At the sitting of the Profiteering Committee on January 15, the hearing of the adjourned case in which Major E. K. Saunders complained that he was charged 1*s.* 6*d.* for a 2-oz. packet of boric lint at the shop of Mr. Arthur Moss, chemist and druggist, Grand Hotel Buildings (*C. & D.*, 1919, p. 1495), was continued. The complainant stated in evidence that after making the purchase in question he bought another 2-oz. packet of lint of the same maker and of similar quality from J. F. Andrews & Co., chemists, Carlisle Road, for 11*d.* In reply to Mr. Hillman, who appeared for the respondent, he said that on the same occasion he bought other articles; he thought he paid 3*s.* 9*d.* in all, but it might have been 3*s.* 5*d.* Mr. Henry William Saunders, retired medical practitioner, said the proper price of the lint should have been from 7*d.* to 9*d.* Mr. Herbert John Silcock, chemist and druggist, assistant to Mr. Moss, said that he charged the complainant 1*s.* 2*d.* for the boric lint, and other sums, making a total of 3*s.* 5*d.* He produced the roll from the cash register for that day in support of his evidence. They sold another quality of boric lint to-day at 9*d.* for 2 oz. Mr. Hillman said that the evidence had shown that the price charged was 1*s.* 2*d.*, and this quality of lint cost the chemist 9*d.* Mr. Arthur Moss, giving evidence, said he thought he bought this boric lint about twelve months ago. He destroyed the invoice before the Profiteering Act came into force. The Committee, after two retirements, said they had decided to adjourn the case for a week for evidence to be called as to the wholesale price of boric lint on the date of sale, and also when Mr. Moss bought it. Mr. Hillman submitted that if there was any doubt in their mind the Committee should give the respondent the benefit of it and dismiss the charge. The Committee eventually decided, after a third retirement, to adjourn for a fortnight. The sitting occupied three hours.

GLOUCESTER.—At the sitting of the Profiteering Committee on January 14, a complaint was heard against Mr. A. E. Foreman, chemist and druggist, proprietor of Reynolds' Modern Pharmacy, Wynd House, who had charged 3*s.* 6*d.* for dispensing a prescription which other chemists in the town had dispensed for 1*s.* 6*d.* The respondent was defended by Mr. C. F. Drinkwater (instructed by the Chemists' Defence Association, Ltd.). Mr. W. A. G. Woodman, secretary of the Gloucester Chemists' Association, stated in evidence that he had examined the books of each of the chemists referred to, and found there was a material difference between the two methods of pricing revealed. The chemist who dispensed the prescription for 1*s.* 6*d.* did so on the old flat-rate system, without realising the high cost of one of the drugs contained in the prescription; whereas Mr. Foreman had used the monthly pricing list adopted by the Gloucester

Association. Asked to price the prescription complained of, Mr. Woodman showed that the drugs, which included ergot, cost 2*s.* 2*d.*, establishment charges were 2½*d.*, and assistants' wages 5*d.*, making 2*s.* 9½*d.* To this the chemist was entitled to add 33⅓ per cent., but he had only added 20 per cent. Answering the chairman, Mr. Woodman said the recognised profit on a similar prescription before the war would have been 71 per cent. The Committee dismissed the complaint.

CITY OF LONDON.—At the sitting of the City of London Profiteering Committee on January 21, a complaint was heard regarding the price charged by Allen & Hanburys, Ltd., 37 Lombard Street, E.C., for a jar of Allenburys malt extract. The complainant stated that on December 18, 1919, he went to the respondents' shop for a jar of malt extract, which he noticed had a label on it marked 3*s.* 6*d.* The assistant removed that label and replaced it with one marked 4*s.* 6*d.* It was stated for the respondents that they had no knowledge of the transaction, but they did not dispute the facts. Until November 1 the price of the malt extract was 3*s.* 6*d.*, but on that day it was raised to 4*s.* 6*d.* The Chairman : What we should like to know is what it costs you. What we have to inquire into is the profit made. The respondents' representative replied that the profit made was 18 per cent. on cost. It was an article manufactured at their own works. The Chairman : Have not you anything you can put before us showing what it costs you to manufacture?—I understand that does not come before this Committee. Why does not it affect the question?—The manufacturing cost is a matter for the Central Committee. No, you are retailing this, and as retailers you come within our jurisdiction?—We can show you the cost to the retail house. We have had Allen & Hanburys before us on a previous occasion, and then invoices were produced showing what the manufacturing firm charged the retail shop. We accepted those figures on that occasion, and shall probably accept them now.—Of course there is a little complication, as, being manufacturers and retailers, the system of charging is not quite the same as when we charge another shop. Do you charge your own shop more or less?—We charge them the retail price and allow them a discount. The chairman asked for the reason for the increase in the price, and was told that the cost of malt had gone up. The cost of production had also increased. It was a question as to whether a further increase would have to take place. In pre-war days the malt extract was sold at 2*s.* 6*d.*, while the present price was 4*s.* 6*d.*, and the cost of production had gone up three times. The complainant said that Allen & Hanburys had the goods in stock at 3*s.* 6*d.*, and by increasing the price they made an extra profit. The Chairman : We are not satisfied that there is an unreasonable profit, but Allen & Hanburys, and other firms, would save themselves and us considerable time and trouble if they could get their goods marked in such a way that no comment of this kind could be made. When such things happen it induces a customer to think that an unreasonable profit is made. The respondents' representative said that Allen & Hanburys had been doing everything they could to prevent such questions arising, and they were surprised that a case had again cropped up.—At the same sitting, a Mr. Lane lodged a complaint against Lewis & Burrows, Ltd., chemists, Holborn Bars, E.C., who, he said, charged him 7½*d.* for a tin of Gibbs' Dentifrice, when the correct retail price was 6*d.* Mr. E. W. Gough, chemist and druggist, managing director of the respondent company, admitted that a mistake had been made and that the correct price was 6*d.* They were quite willing and prepared, apart from any decision the Committee might come to, to refund the overcharge. In answer to a question, Mr. Gough stated that the company had not been selling the preparation at 7½*d.*; the complainant thereupon stated that he had previously been charged 7½*d.* Mr. Gough said that last November Messrs. Gibbs raised the price of the larger tins of their preparation from 10*d.* to 1*s.* 3*d.*, but for some reason the smaller tins remained at 6*d.* As a result of the increase of only one size, many chemists were at fault, and he had asked others the prices, and been informed that they were 7½*d.* and 1*s.* 3*d.* He produced the list of his company, showing that the price should be 6*d.* The chairman said the Committee were quite satisfied that a genuine mistake had been made, and they would direct a return of the overcharge.—At the same sitting, a complainant stated that he had been charged 1*s.* 6*d.* by J. & G. Katte, hairdressers, Broad Street, E.C., for a 1*s.* 3*d.* box of Pears' solidified brilliantine. The respondents admitted the sale, and said that a mistake had been made by an apprentice. The chairman accepted the explanation, directed a refund of 3*d.*, and added that the respondents should take steps to see that such mistakes were not made.—At the same sitting, Salmon & Gluckstein, Ltd., Fenchurch Street, E.C., were the respondents in a case in which 1*s.* 6*d.* had been charged for a stick of Colgate's shaving-soap, which, it was stated, could be purchased elsewhere for 1*s.* 4*d.* Mr. Hurst, a director of the respondent company, produced an invoice showing that the shaving-sticks cost 13*s.* 10*d.* per doz., and the gross profit on the turnover was 23 per cent. Prior to the war, he added, "Colgate's" was sold at 1*s.* a stick, but in some establishments it was cut to 10½*d.* The wholesale pre-war price was 7*s.* 2*d.* per doz., and even the cutter who sold at 10½*d.* made a profit of something like 33 per cent. At the present time retailers got 10 per cent. less on such sales than they obtained in pre-war days. It was now sold by the manufacturers on the understanding that the retail minimum selling price should be 1*s.* 6*d.* The Committee held that the profit made was not unreasonable, and dismissed the case.

MARGATE.—At the sitting of the Profiteering Committee on January 14, a complaint was lodged against Mr. Picton, Fort Road, for charging, it was alleged, 8*d.* for 2 oz. of compound liquorice-powder. It was decided to hear the complaint.

PADDINGTON.—At the sitting of the Profiteering Committee on January 16, a complaint was heard concerning a charge of 10*d.* made for 2½ oz. of arrowroot at the Westbourne Grove branch of Lewis & Burrows, Ltd. Mr. C. H. Kirby, solicitor, who appeared for the respondents, said that this article would, no doubt, have been sold cheaper by the pound. It was purchased at 3*s.* per lb., and thus yielded a profit on selling price of 35.7 per cent. Mr. E. W. Gough, managing director of Lewis & Burrows, Ltd., stated in evidence that the company sold arrowroot for invalids, and that it was entirely different from what was sold by grocers. The complaint was dismissed.—At the same sitting, Mr. C. J. Miles, chemist and druggist, Edgware Road, W., was the respondent in a case brought by the same complainant, a borough council inspector, his charge for 4 oz. of arrowroot having been 2*s.* Mr. C. H. Kirby, defending, said that the arrowroot, which was best Bermuda, was purchased by Mr. Miles in June 1919 from The British Drug Houses, Ltd., at 4*s.* 9*d.* per lb. The retail price given in a list produced was 2*s.* 1½*d.* per 4 oz. The pre-war profit was exactly the same as the present profit. The Committee ordered a refund of 3*d.* Mr. Kirby pointed out that the price fixed by the Committee as the "proper price" to be charged would bind Mr. Miles in the future; but the chairman refused to discuss the matter, and said that the Committee did not give the reasons for their decision.

WALTHAMSTOW.—Mr. A. Chapman, chemist and druggist, Beulah Road, has received an official intimation that the hearing of the complaint brought against him in respect of a sale of bicarbonate of soda (*C. & D.*, January 3, p. 68), will not be proceeded with.—A similar communication has been sent to Gaze & Co., chemists, Higham's Park, with reference to a case partially heard (*C. & D.*, 1919, p. 1464), the articles in dispute being boric lint and a tooth-brush. Both these cases were defended by the Chemists' Defence Association, Ltd.

CUM GRANO SALIS.—Charged at a London police court on January 20 with theft, a prisoner smiled vacantly and said that he suffered from "cerebos melinitis." Remembering that the same man had successfully pleaded "cerebos" in the same court, the magistrate remarked : "Six months' imprisonment this time instead of the asylum."

Legal Reports.

Compound Liquorice-powder Case.—At Lambeth Police Court, London, on January 15, Bewells, Ltd., chemists, were summoned for selling, at their Walworth Road branch, compound liquorice-powder containing starch. It was stated for the prosecution that the use of starch (in place of sugar) in compound liquorice-powder had been officially permitted during the latter part of the war, but that the regulation authorising it had subsequently been withdrawn. The facts of the case were not in dispute. Mr. C. H. Kirby (Neve, Beck & Kirby), instructed by the Chemists' Defence Association, Ltd., having addressed the Court for the defence, the case was dismissed on payment of 14*s*. 6*d*. costs.

Gregory's Powder Case.—At Bradford, on January 16, Mr. Herbert William Shepherd, chemist and druggist, Lumb Lane, was summoned for selling Gregory's powder deficient in rhubarb and ginger. The proceedings arose out of the supply of 4 oz. of the powder to another pharmacist, from whom a sample was subsequently taken for analysis under the Sale of Food and Drugs Acts. Proceedings having been instituted, the matter was explained to the local authorities, and a summons was issued against Mr. Shepherd. Conducting his own case, he explained that this lot of Gregory's powder was made in his shop at a busy time, and was insufficiently mixed. A fine of 10*s*. was imposed.

Claim for Possession.—At Birmingham Police Court, on January 16, Mr. Harold E. Pocock, chemist and druggist, Oakfield Road, Cannon Hill, applied for a possession order for rooms at 341 Rookery Road, Handsworth, where he had purchased a chemist's business twelve months ago. It was stated that the manager to the previous tenants was in occupation of this part of the premises, and refused to leave after being given due notice. The magistrate held that the house was more than reasonably required by the applicant, and made the order.—At Accrington County Court, on January 15, judgment was given for Walter Wright, Lonsdale Street, in a case in which Yates Entwistle, produce merchant, Liverpool, sought recovery of premises of which he was the owner. Defendant counter-claimed for damages for disturbance of his tenancy, and these were assessed by the Judge at 21*l*. The evidence showed that plaintiff bought the premises last year to set up his brother in business as a chemist and druggist. It was alleged that defendant took measures to secure the premises, and that workmen entered the house by means of a ladder.

Camphorated Oil and Gregory's Powder.—At Lambeth Police Court, London, on January 16, Frederick Banks, Ltd., chemists, 356 Walworth Road, S.E., were summoned for selling camphorated oil which was deficient in camphor to the extent of 10.9 per cent., and for selling Gregory's powder which contained 66 per cent. of magnesium carbonate instead of that percentage of light magnesia. There were similar summonses against John Cook, who served the articles to the inspector. As to the camphorated oil, it was explained for the defence that camphor was very volatile. With regard to the Gregory's powder, Mr. Cook said there was very little demand for it, and its chemical composition had probably changed owing to the fact that it had been so long in stock. The summonses against Banks, Ltd., were not proceeded with; but Cook was fined 2*l*. 10*s*. and 10*s*. 6*d*. costs on one summons, and 30*s*. and 10*s*. 6*d*. costs on the other.—The hearing of the summons against Mr. James Arthur Tomlinson, chemist and druggist, Burnley, for selling camphorated oil not of the nature demanded (*C. & D.*, January 10, p. 55), was concluded on January 21. Evidence was given as to the volatile nature of camphor and the possible deterioration of the oil on keeping. The case was dismissed on payment of costs.

Workmen's Compensation Act.—In Rotherham County Court, on January 14, Judge Elliott sanctioned an award of 6*s*. a week from January 20 to February 1, 1917, and 10*s*. a week from that date (less 18*l*. 6*s*., the amount already paid), agreed upon between the executors of Humphrey Davy, chemists, and Ernest Cook, stepfather of a lad injured while in the firm's employ. Mr. Percy Davy, chemist and druggist, stated in evidence that if the boy had not been injured and had continued in his employment he would now have been receiving 15*s*. a week.—In Lambeth County Court, on January 20, Judge Parry delivered a reserved judgment in a case in which a labourer had slipped on a plank and fractured a wrist after being paid off. The labourer claimed compensation, and it was argued for the defence that the accident did not arise out of or in the course of the man's employment. His Honour, in giving judgment, said that owing to decisions in the Court of Appeal, now found by the House of Lords to be erroneous, arbitrators had endeavoured to square their decisions with those of the Court of Appeal rather than decide from a practical business point of view whether the actual case before them did or did not arise out of and in the course of a man's employment. He had not altered his views as to the duties of an arbitrator, and was pleased to note that his views were confirmed by the House of Lords. From a number of recent cases he had read, it seemed that for the purposes of the Act a man might be in his master's employment after he had been paid off, so long as he was in or about the works for any of the ordinary incidents that are part and parcel of what commonly happens when a workman was finishing a job and clearing off. He gave judgment for the plaintiff, with costs.

Cream of Tartar Substitute.—In the City of London Court, on January 20, before Assistant Judge Jackson, J. H. Ironmonger, Ltd., importers, 37 Eastcheap, sued Mr. J. Ward, grocer, 44 Broadway, Ealing, for 11*l*. 3*s*. 8*d*. for cream of tartar substitute supplied and cartage. Mr. H. Strouts appeared for the plaintiffs, and Mr. F. C. Greville Smith for the defendant. Mr. Strouts said the goods came from Manchester over the Great Northern Railway as far as London. When the case was last before the Court he had a witness there from the Great Northern Railway to prove delivery to the Great Western Railway in London. On the previous occasion he had no witness from the Great Western Railway, who had a sheet signed by the defendant acknowledging delivery of the goods. The defendant had deducted two or three items for cartage, which the plaintiffs now were also suing for. As the goods were sent carriage forward the items ought not to have been deducted by the defendant. William Davies, goods agent in the employment of the Great Western Railway, said he produced the railway sheet for the goods now sued for and which were delivered to the defendant on August 6, 1918. The sheet bore the defendant's signature. Defendant paid him 9*d*. for cartage from London. Cross-examined, he said he did not know that the goods now sued for were delivered by the Great Western Railway from Messrs. Travers and not from the plaintiffs at all. Nor did he know that the defendant had had a bill from Travers for the goods now sued for and had paid them for them. Mr. Grenville Smith said the defendant had dealt with the plaintiffs over and over again, and had always paid his accounts. The defendant was quite sure that he had not had the goods sued for, and he had receipts for other items which had been questioned. It was impossible for the plaintiffs to prove delivery of the goods sued for as having come from the plaintiffs. The Assistant Judge said he must non-suit the plaintiffs, with costs.

To separate the two portions of an egg, turn them out of the shell into a funnel with a narrow shank and let the white drain away.

ECONOMY IN THE WAR OFFICE.—The supply of hydrogen peroxide to military hospitals, states an Army Council Instruction, will be limited to very special cases which cannot be satisfactorily treated by some other antiseptic. This action has been taken, so the Instruction states, "in view of the unstable nature of hydrogen peroxide solution, the difficulty of obtaining and cost of suitable containers, the excessive loss by bursting and leakage, the great bulk of the liquid, and the high cost of transport."

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

BENEDETTIS CO., LTD. (P.C.)—Capital, 1,000*l.* Objects: To carry on the business of manufacturers of champagne, liqueurs, wines, cordials, spirits, mineral waters, perfumes, toilet preparations, etc. R.O.: 26 Ludgate Hill, London, E.C.

CHAS. A. BLATCHFORD & SONS, LTD. (P.C.).—Capital, 10,000*l.* Objects: To carry on the business of manufacturers of and dealers in artificial limbs, orthopædic appliances, crutches, etc. R.O.: 90 Clapham Road, London, S.W. 9.

BRECKNELL, TURNER & SONS, LTD. (P.C.).—Capital, 10,000*l.* Objects: To carry on the wholesale and retail saddle-soap and skin-soap business formerly carried on by Brecknells, Ltd., at 16 and 19 Peter Street, Soho, and 31 Haymarket, London, S.W.

LORANZOL, LTD. (P.C.).—Capital, 1,000*l.* Objects: To carry on the business of manufacturers of and dealers in medicinal, toilet, and pharmaceutical preparations, etc., and to adopt an agreement with H. Lawrence. R.O., 7 Norfolk Terrace, Kenley.

THYLENE, LTD. (P.C.).—Capital, 2,000*l.* Objects: To carry on the business of manufacturers of and dealers in the preparation known as "Thylene," wholesale and manufacturing chemists and druggists, etc. R.O.: 35 Commercial Street, Halifax.

FLU-MAL, LTD. (P.C.).—Capital, 10,000*l.* Objects: To carry on the business of patent-medicine manufacturers, etc. The first directors are: H. F. Wheeler, Wheatcroft, Much Hadham; and G. R. Holroyd, Ganges Lodge, Woking. R.O., 44 Tachbrook Street, London, S.W.

VICI MANUFACTURING CO., LTD. (P.C.).—Capital, 5,000*l.* Objects: To carry on the business of soap manufacturers, pharmaceutical, manufacturing, and general chemists and druggists, makers of toilet requisites, etc. G. Blake is the first director. R.O.: Blockley Court, Blockley, Worcs.

ALFRED JOENSSON CO., INC.—Incorporated in New York November 12, 1919. Capital, $1,000,000. Carrying on the business of chemists, druggists, etc. Principal office: Manhattan, New York. British address: 33 Eastcheap, London, E.C., where E. W. J. Bridge is authorised to accept service.

WREN BAKING-POWDER CO., LTD. (P.C.).—Capital, 3,000*l.* Objects: To carry on the business of manufacturers of and dealers in baking-powders, self-raising flours, etc. The first directors are: E. L. Reynolds, W. S. Metzner, F. J. Leas, and R. C. Rennie. R.O.: 33 Mackenzie Street, Slough.

NUTRESCO, LTD.—Incorporated in Transvaal October 5, 1917. Capital, 53,000*l.* Business: To acquire from W. Fowles and others, trading as the "Nutresco Co.," certain patents relating to pre-digested meat products or foods, etc. British address: 57 Dolben Street, Blackfriars, London, S.E., where H. Watkins-Pitchford is authorised to accept service.

SAMUEL JONES & CO., LTD. (P.C.).—Capital, 250,000*l.* Objects: To take over the business of gummed-paper makers and paper glazers carried on by Mary A. S. Jones, E. S. Jones, and J. H. Jones at 7 Bridewell Place, E.C., and at Peckham Grove, as "Samuel Jones & Co." The first directors are: E. S. Jones, J. H. Jones, and A. G. Jennings. R.O.: 7 Bridewell Place, London, E.C. 4.

VINCENT DODD, LTD. (P.C.).—Capital, 10,000*l.* Objects: To carry on the business of manufacturing export wholesale and retail confectioners, sugar and liquorice refiners, etc. The directors are: H. V. Dodd, 64 Marine Parade, Brighton; R. T. Simcock, "Losebery," Claygate, Surrey; and A. Feather, 3 Claremont Road, East Twickenham. R.O.: New Church Street, Bermondsey, London, S.E.

PRESTON, HULL & CO., LTD. (P.C.).—Capital, 12,500*l.* Objects: To carry on the business of chemists, druggists, drysalters, oil and colourmen, etc., and to enter into an agreement with C. P. Preston and Lucile Preston: The first directors are: C. P. Preston, The Moorings, Broom Water West, Teddington; W. R. Preston, 10 Riverdale Gardens, Twickenham; and C. J. L. Hull, Earlswood Mount, Redhill. R.O.: Holborn House, 112 High Holborn, London, W.C.

HEADLIVER SALT CO., LTD. (P.C.).—Capital, 1,500*l.* Objects: To carry on the business of manufacturing chemists and druggists, wholesale dealers in chemicals and drugs, proprietors and vendors of patent and proprietary medicines, etc., and to enter into an agreement with J. D. Melling, Ltd. The first directors are: J. D. Melling, Llys Ifor, Conway, chemist; Mrs. A. L. Melling, Llys Ifor, Conway; W. Rowley-Redwood, Conway; and R. G. Melling, Wigan. R.O.: The Accounting Offices, Castle Street, Conway.

WILLIAM COOPER AND NEPHEWS, LTD. (P.C.). Capital, 250,000*l.* Objects: To take over all or any of the businesses carried on by Sir Richard A. Cooper, Bart, M.P., as William Cooper and Nephews, and to carry on the business of chemical manufacturers, chemists, druggists, drysalters, etc. The directors are: Sir Richard A. Cooper, Bart., M.P., 6 Carlton Gardens, S.W.; Lady Alice E. Cooper, 6 Carlton Gardens, S.W.; R. M. Foot, Whitehill, Berkhamsted, Herts; and C. Timson, Woodside, Ashley Green, Berkhamsted. R.O.: 47 Russell Square, London, W.C.

CASSEL CYANIDE CO., LTD.—The report for the year ended September 30 last states that the net profit amounts to 69,866*l.*, which with 20,180*l.* brought forward, less further payments under the Finance Acts, 1,299*l.*, makes 88,747*l.* The directors recommend a further dividend of 1*s.* 6*d.* per share (making 2*s.* per share for the year), less tax.

MOND NICKEL CO., LTD.—The directors have declared an interim dividend, payable February 5, 1920, at the rate of 7 per cent. per annum on the cumulative and non-cumulative preference shares for the half-year ended October 31, 1919, less tax at 6*s.* in the £, and 1*s.* per share on the ordinary shares on account of the year ending April 30, 1920, free of tax.

PARKE'S DRUG STORES, LTD.—The annual report of the directors for the year ended September 30, 1919, states that it is with much regret that the directors have to announce the death, on November 5 last, of the late chairman, Mr. P. Warnford-Davis, J.P., whose great ability and enthusiasm will be sadly missed. Mr. John Murison, the managing director, has been appointed chairman in his place; also, during the period under review Mr. Darryll Warnford-Davis has been co-opted as a director. The sum of 500*l.* 16*s.* 3*d.*, required for the depreciation of leases, has been met as usual out of revenue, as well as 1,573*l.* 12*s.* 7*d.* expended on repairs and renewals. The directors have appropriated out of the profits of the year 856*l.* to the fixture depreciation and reserve fund, and have also added the sum of 1,230*l.* to the stock reserve fund. After allowing for the above, the available net balance amounted to 17,651*l.* 17*s.* 2*d.*, out of which has been paid the interim dividend on the preference shares at the rate of 6 per cent. per annum, less income-tax, and the interim dividend on ordinary shares at the rate of 10 per cent. per annum, free of income-tax. The balance remaining is 14,765*l.* 12*s.* 9*d.*, and from this the final dividend on preference shares for the year, amounting to 1,190*l.* 16*s.* 5*d.*, was paid on October 20 last; and it is now recommended that a final dividend of 5 per cent., free of income-tax, be paid on the ordinary shares for the half-year, making, with the interim dividend of 5 per cent. already paid, 10 per cent., free of income-tax, for the year, and that a sum of 3,000*l.* be transmitted to the general reserve fund, leaving a balance of 8,151*l.* 11*s.* to be carried forward, out of which provision has to be made for the excess-profits duty. Upon passing the present accounts and the adoption of the report the reserve funds will stand at 25,220*l.* 4*s.* 1*d.* The retiring directors are Mr. Joseph F. Forster and Mr. George Paxton, who, being eligible, offer themselves for re-election.

The Destruction of Rats.

It is important that chemists should continue to take the leading part in supplying the public with the destructive agents required in the campaign against rats, especially in view of the powers conferred upon Public Authorities by the Rats and Mice (Destruction) Act which came into force on January 1. We have therefore asked a pharmaceutical chemist with special knowledge to write us a series of articles dealing with the various aspects of the subject.

II.

Powers of the Ministry of Agriculture.

While, as was explained in the preceding article on this subject, the enforcement and execution of the Rats and Mice (Destruction) Act are primarily the duty of the local authorities, the Ministry of Agriculture (which is no longer styled the "Board") has powers of a similar nature, to be exercised if the local authority fails in its duty, in which case the Ministry's expenses are recoverable from the defaulting council. This provision enables the Ministry of Agriculture to stimulate active administration, and it is already quite evident that a large measure of such activity will be secured. The Ministry is not one which hides its light under a bushel. It has a live publicity department, which, presumably, inspires some at least of the numerous references to rat destruction which are to be found in the newspapers. Also, the subject figures frequently and prominently in the "Weekly Notes" and in the "Journal" issued by the Ministry. Further, the Ministry was probably responsible for the publication in the Press not long ago of a "black list" of local authorities alleged to be slack in the matter of rat destruction. So also the Ministry, in special brochures and leaflets, and in circulars and specimen posters prepared for the guidance of local authorities, has given a very definite lead as to the measures to be adopted for the effective enforcement of the new Act.

The Ministry insists, for example, that local authorities ought to secure the services of a competent and trustworthy officer to organise and control the necessary measures, the general co-operation, and uniformity of action, essential to success. Next, the Ministry advocates that local authorities should make their schemes self-supporting—*e.g.*, by charging for the services of their rat-catchers. Payment of rewards for the carcases of rats, on the other hand, is not now encouraged, and it is felt that the general body of ratepayers should not be called upon to pay for the destruction of rats on the premises of individuals. Periodical "rat weeks," too, are organised by the Ministry, and the assistance of the Ministry's technical adviser on rat destruction may be claimed by any local authority.

Moreover, a clear policy as to the particular rat-destroying methods to be employed has also been adopted. Thus, in the specimen poster which local authorities all over the kingdom are invited by the Ministry to adopt and display, the following recommendation is given:

Methods and Preventive Measures.

The most effective methods for destroying rats and mice embrace the use of traps, snares, ferrets, dogs, fumigation, and the use of poisons. The safest poisons have been found to be preparations of squills and barium carbonate. Poison should be laid in such a way that human beings, domestic animals, poultry, etc., cannot obtain access to it. The laying of baits containing any poison should be carried out with the utmost care. The actual amount laid in each single rat-hole or burrow should be as small as possible to obtain the results aimed at. The position of these places should be noted, and any dead rats found afterwards should be burnt or destroyed to prevent domestic animals getting at the carcases. Previous to the laying of poisons the owners of poultry, dogs, pigs, and other animals frequenting or likely to come near places where poison has been laid should be warned, and after an interval of a few days all unconsumed baits should be removed and destroyed.

Attention should be specially directed to all drains, waste food and grain stores and stacks, etc.

Before threshing commences stacks should be surrounded with fine-meshed wire not less than 4 ft. in height, to prevent rats escaping.

Duties of Local Authorities.

The above recommendations are likely to carry great weight with the local authorities. Chemists and druggists in every district should find out, however, precisely what particular methods or rat-poisons are favoured or recommended to the public in their own areas. For this purpose it is desirable now to give a little more information as to the local authorities empowered to enforce the Act.

These are:

(*a*) in the City of London, the Common Council;

(*b*) in any Metropolitan borough, the borough council;

(*c*) in any administrative county (except London) or county borough (except any part thereof which is a port sanitary district) the council of the county or borough;

(*d*) in any port sanitary district, the port sanitary authority.

In Scotland the local authority is to be the same as under the Diseases of Animals Acts. It is to be noted particularly that, in England and Wales, the municipal borough councils outside London, and urban and rural district councils, have no powers or duties in the matter of the destruction of rats and mice, unless and until such powers are delegated to them by the county council in whose area they are.

Now it is important, as has been suggested already, that chemists and druggists should know something of the administrative methods favoured by their respective local authority, and as confusion often exists as to whether any particular borough is or is not a county borough, it may be useful to append a full list of county boroughs in England and Wales. The councils of all the towns in this list are authorities for the enforcement of the Rats and Mice (Destruction) Act. Other town councils are not, unless specially clothed with powers by resolution of the county council concerned.

County Boroughs (England and Wales).

Barnsley	Eastbourne	Preston
Barrow	Exeter	Reading
Bath	Gateshead	Rochdale
Birkenhead	Gloucester	Rotherham
Birmingham	Grimsby	St. Helens
Blackburn	Great Yarmouth	Salford
Blackpool	Halifax	Sheffield
Bolton	Hastings	Smethwick
Bootle	Huddersfield	Southampton
Bournemouth	Ipswich	Southend-on-Sea
Bradford	Kingston-upon-Hull	Southport
Brighton	Leeds	South Shields
Bristol	Leicester	Stockport
Burnley	Lincoln	Stoke-on-Trent
Burton-on-Trent	Liverpool	Sunderland
Bury	Manchester	Swansea
Canterbury	Merthyr Tydfil	Tynemouth
Cardiff	Middlesbrough	Wakefield
Carlisle	Newcastle-on-Tyne	Wallasey
Chester	Newport (Mon.)	Walsall
Coventry	Northampton	Warrington
Croydon	Norwich	West Bromwich
Darlington	Nottingham	West Ham
Derby	Oldham	West Hartlepool
Devonport	Oxford	Wigan
Dewsbury	Plymouth	Wolverhampton
Dudley	Portsmouth	Worcester
East Ham		York

Letters addressed to the Town Clerk or to the Executive Officer for Rat Destruction at the City Hall or Town Hall of any of the above county boroughs will no doubt put the chemist in the way of getting all available information as to the particular kinds of rat poison which will be officially recommended in the locality.

If, however, this knowledge is desired by chemists elsewhere than in county boroughs the inquiry should be addressed to the county council offices. And as not everyone knows where his county council offices are, the addresses of the clerks to these bodies in England and Wales are here given:

COUNTY COUNCILS (England and Wales).

County and Address of Clerk.	*County and Address of Clerk.*
Anglesey: Llangefni	Middlesex: Guildhall, Westminster, S.W.
Bedfordshire: Shire Hall, Bedford	Monmouthshire: Newport (Mon.)
Berkshire: 30 The Forbury, Reading	Montgomeryshire: Welshpool
Breconshire: Brecon	Norfolk: Shire Hall, Norwich
Bucks: Aylesbury	Northants: County Hall, Northampton
Cambs: Cambridge	Northumberland: Moot Hall, Newcastle-upon-Tyne
Cardiganshire: Aberystwith	Notts: 20 Fletcher Gate, Nottingham
Carmarthenshire: Carmarthen	Oxfordshire: County Hall, Oxford
Carnarvonshire: Carnarvon	Pembrokeshire: Haverfordwest
Cheshire: Northgate Street, Chester	Peterborough, Soke of: Peterborough
Cornwall: Bodmin	Radnorshire: Builth
Cumberland: Carlisle	Rutland: Oakham
Denbighshire: Ruthin	Salop: Shire Hall, Shrewsbury
Derbyshire: County Offices, Derby	Somerset: County Buildings, Taunton
Devonshire: The Castle, Exeter	Staffordshire: Stafford
Dorset: Dorchester	Suffolk, East: Ipswich
Durham: Durham	Suffolk, West: Bury St. Edmunds
Ely, Isle of: March	Surrey: County Hall, Kingston-on-Thames
Essex: Chelmsford	Sussex, East: County Hall, Lewes
Flintshire: Mold	Sussex, West: Chichester
Glamorganshire: Cardiff	Warwickshire: Leamington
Gloucestershire: Shire Hall, Gloucester	Westmorland: Kendal
Hampshire: The Castle, Winchester	Wight, Isle of: Newport, I of W.
Herefordshire: Hereford	Wiltshire: County Offices, Trowbridge
Hertfordshire: Hertford	Worcestershire: Worcester
Huntingdonshire: Huntingdon	Yorks (E.R.): Beverley
Kent: Maidstone	Yorks (N.R.): Northallerton
Lancashire: Preston	Yorks (W.R.): Wakefield
Leicestershire: 10 New Street, Leicester	
Lincolnshire (Holland): Boston	
Lincolnshire (Kesteven): Sleaford	
Lincolnshire (Lindsey): Lincoln	
Merionethshire: Portmadoe	

The local authorities cannot all be expected to adopt the same administrative methods, though probably the Ministry of Agriculture will endeavour to secure as much uniformity as possible. Some local authorities will be found selling rat-poisons, either at cost price or at a profit—others will instruct their inspectors to recommend the public to buy poisons. Most will probably imitate the Ministry by recommending preparations which are harmless to dogs and poultry, and by specifically suggesting preparations of squill and of barium carbonate without mentioning the name of any proprietary article. Others will possibly follow the example set by the City Council of Bristol in the October "rat-week," where "Rat Quit" was distributed at several Corporation centres on a very large scale to the public.

Without doubt, many local authorities have appointed, and others will appoint, rat-catchers as well as inspectors, and will buy either squill or barium carbonate, or both, in bulk, and mix their own bait for the use of their rat-catchers. In the districts of these authorities, chemists will probably be able to learn what mixture is so used, and will at least be able to supply "repeat" demands from householders who have found the official operations successful and wish to lay further quantities of the same material. Be it remembered that the majority of county councils are still of a distinctly conservative outlook, and the establishment of municipal trading in rat-poisons is not likely to commend itself if there is clear evidence that the chemists are able to mix and sell at reasonable prices whatever bait the rat-officers wish the general public to use. If local authorities are issuing posters or handbills in an endeavour to secure publicity and activity in rat-destruction, the chemists in the district might with advantage consider whether they will offer to assist in the exhibition or distribution of such documents. In this way not only will the local authority have tangible evidence of the chemists' wish to co-operate in the work, but the public—many of whom will certainly have to become purchasers of rat-poisons—will have it well impressed on their minds that the man in the chemist's shop is the person most likely to advise them well and supply their needs most surely.

Coming Events.

Monday, January 26.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. (Cantor Lecture II.). Capt. H. Hamshaw Thomas, M.B.E., on "Aircraft Photography in War and Peace." (Lecture 2.)

Tuesday, January 27.

Glasgow Pharmacy Athletic Club, 165 Hill Street. Whist-drive.

Halifax Chemists' Association, Old Cock Hotel, at 8.15 P.M. Mr. Hugo Wolff on "Proprietary Articles Trade Association Propaganda."

London (South-East) Chemists' Association, Maitland Home, 134 Greenwich Road, Greenwich, at 8.45 P.M. General meeting.

Wednesday, January 28.

Birmingham Pharmaceutical Association, Grand Hotel, at 6 P.M. Dinner; and at 7.45 P.M., whist-drive. Tickets (dinner 7*s*. 6*d*. each, and whist-drive 2*s*. 6*d*.) from Mr. F. Smith, 221 Soho Road, Birmingham, not later than January 24.

East Sussex Association of Pharmacists, Congregational Church, School Room, Lewes, at 3 P.M. General meeting. Actual and prospective members invited.

Harrogate Pharmaceutical Association. Address by Mr. John Keall (President of the Proprietary Articles Trade Association).

Liverpool Chemists' Association, Royal Institution, Colquitt Street, Liverpool, at 8 P.M. Annual meeting (postponed from January 21).

National Association of Women Pharmacists (Edinburgh Group), 36 York Place. Mr. W. W. Brown on "The Outlook of Pharmacy." All assistants and apprentices invited.

Public Pharmacists' Association, St. Bride Institute, Bride Lane, London, E.C., at 8 P.M. Annual meeting. Registered chemists in hospitals and institutions invited.

Thursday, January 29.

Chemists' Friendly Society, 165 Hill Street, Garnethill, Glasgow, at 9 P.M. Annual meeting.

Saturday, January 31

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 3 P.M. Sir Frank Watson Dyson, F.R.S., Astronomer Royal, on "The Astronomical Evidence bearing on Einstein's Theory of Gravitation."

SOUTHEND-ON-SEA ASSOCIATION OF PHARMACISTS.—A dinner will be held in Boots Café, The Broadway, High Street, at 7.30 P.M., on February 18. Tickets from Mr. Sydney Body, 167 The Broadway.

NORTH LONDON PHARMACEUTICAL ASSOCIATION.—The annual dinner will be held on February 19 at the Florence Restaurant, Rupert Street, Regent Street, London, W. Tickets (10*s*. 6*d*. each) from Mr. Herbert Skinner, The Dispensary, Great Northern Hospital. Early application is desirable.

BRITISH CHEMICAL TRADES ASSOCIATION.—A dinner will be held at the Criterion Restaurant on February 12, at 7 P.M. Members of the chemical trade invited. The guests of the evening are Lieut.-Colonel Sir Hamar Greenwood (Parliamentary Secretary to the Department of Overseas Trade) and Sir William Clark (Comptroller-General of the Department). Application for tickets (10*s*. 6*d*. each) should be made before January 31 to the Secretary, 80 Fenchurch Street, London, E.C. 3.

TRADE WITH GERMANY.—What attitude should be adopted in regard to German trade? The question is ethical as well as practical. Those who believe that German theories are subversive of principles cherished by British men of honour are logical in maintaining that no lasting benefit can result from the renewal of intimate relations with that nation. On economic grounds it is true that Germany can never make reparation to the Allies unless she is permitted to trade with them, since indebtedness can only be liquidated by the exportation of goods or by services. On the other hand, German methods of conducting trade rivalry were not in accordance with British traditions, and the practical point arises whether she has been so thoroughly defeated and impoverished as to be unable to re-establish the vast system of chicanery by which she sought to undermine our position before the war. In short, have we anything to fear from German competition in the markets of the world in the future? On the answer to that question must very largely depend the policy we ought to adopt now.—*The Times Trade Supplement.*

Births.

CORNISH.—At 7 The Square, Wimborne, on January 21, the wife of H. H. Cornish, chemist and druggist, of a daughter.

DOWTY.—At the Abbey Pharmacy, Pershore, on January 13, the wife of John Dowty, chemist and druggist, of a son.

ISAAC.—At Marlowes, Hemel Hempstead, on January 12, the wife of Arthur A. Isaac, chemist and druggist and optician, of a son.

LINDSAY.—At 2 Melville Terrace, Dundee, on January 16, the wife of George J. Lindsay, chemist and druggist, of a son.

MITCHELL.—At Gretna, on December 26, 1919, the wife of James Mitchell, pharmacist, of a son.

Marriages.

LESLIE—GUERAN.—At Lewisham, on January 15, Frank Leslie, chemist and druggist, 118 Rushey Green, Catford, London, S.E. 6, to Margaret, widow of the late Sergeant W. Gueran, Royal Welsh Fusiliers.

ORMOND—TYLER.—At All Souls' Church, Langham Place, London, W. 1, on January 14, by the Rev. A. Davidson, Frederick John, eldest son of Mr. R. Ormond, Melbourne House, Pembroke, to Annie Ethel, eldest daughter of Mr. C. S. Tyler, chemist and druggist, Felixstowe.

Deaths.

CARMAN.—At Gerddi Benno, Holywell, Flintshire, on January 15, suddenly, Mr. John Carman, J.P., chemist and druggist, aged seventy-one. Mr. Carman passed the Modified examination in 1871, and a few years later commenced on his own account in Holywell, his native town. Some years ago he disposed of this business and removed to Cheshire, but eventually he again took over his old pharmacy and retained it until last autumn, when he retired. Mr. Carman took an active part in local affairs. He was a member of the Holywell Urban Council for many years, and was elected chairman on three occasions. He was also interested in the Flintshire Dispensary and other institutions. He leaves a widow, five sons, and a daughter.

CARULLA.—At 84 Rose Hill Street, Derby, on January 6, of bronchitis, Mr. Facundo Joaquin Ramon Carulla, F.C.S. (Health Supplies Co., Ltd.). Mr. Carulla, who was a native of Spain, had been a Fellow of the Chemical Society since 1867. He was also a life member of this Society, and a member of the Society of Chemical Industry. To the Nottingham section of the latter he in 1907 contributed a paper on standardised ammonia in acidimetry. At one time a chemical engineer, Mr. Carulla had of late years been in business in Derby. He leaves a widow.

EVERETT.—At 21 Sussex Terrace, Burgess Hill, on January 13, Mr. Henry Everett, chemist and druggist, aged eighty. After passing the Modified examination in 1868, Mr. Everett acquired a pharmacy in Fulham Road, London, S.W. He subsequently removed to Blatchington Road, Hove, where he carried on business till his retirement, which took place about twelve years ago. Mr. Everett was a member of the local Committee when the British Pharmaceutical Conference visited Brighton in 1905. He was a genial pharmacist of the old school, and was greatly esteemed by a wide circle.

HUMPHREYS.—At his residence, Darwin Street, Castle Northwich, on January 11, after a long illness, Mr. Griffith Humphreys, Ph.C., 50 High Street, Northwich. Mr. Humphreys, who was born in Corwen in 1858, began his career as a pupil-teacher, but relinquished that vocation in favour of pharmacy. He passed the Minor examination in 1879, and the Major two years later, and, after a London experience as assistant, opened in business at Northwich in 1884. Although he took no prominent part in the public life of the town, Mr. Humphreys gave much of his leisure to the interests of the Congregational Church, in which he held several offices. He was also interested in microphotography as a recreation. He is survived by a widow and two daughters, the elder of whom passed the Qualifying examination in 1917. The funeral took place at Hartford on January 14. The Northwich Pharmaceutical Association was represented by the following members: Mr. H. Wallington (representing Mr. J. W. Deakin, President, who was unavoidably absent), Mr. A. Birtwistle (secretary), and Messrs. S. M. Bostock, — Cooper, S. Evans, T. Hough, W. Lee, and — Weston.

PALMER.—At the South African Military Hospital, Richmond, Surrey, on January 17, Corporal Charles Francis Palmer, 7th Canadians (1st British Columbia Regiment), eldest son of Mr. C. J. Palmer, pharmacist, Twickenham.

SIMMONS.—At 5 Hilton Crescent, Prestwich, recently, Mr. John Horton Simmons, for some years works manager of Cussons, Sons & Co., Ltd., manufacturing chemists, Kersal Vale Works, Manchester, aged forty-nine.

SQUIRE.—At San Remo, Italy, on December 20, 1919, after a long illness, Mr. Frank Robert Squire, chemist and druggist, aged seventy-four. Mr. Squire was born at Hatton Hall, Lincolnshire, and served his apprenticeship with the late Mr. W. Asling, chemist, Spalding. On the completion of his apprenticeship, he had a good experience in the wholesale trade, and then took the managership of a retail pharmacy in the provinces. After passing the Minor examination in 1869, Mr. Squire gained further experience in Rome and Geneva; in 1870 he opened on his own account at San Remo. His establishment, which acquired a great reputation among visitors to the town, was removed in 1908 from the central street to the promenade on the sea-front. Until 1911 Mr. Squire was not allowed to sell medicines to Italians nor to keep his pharmacy open during the summer months; but in that year all restrictions were removed. He was the holder of several Royal warrants.

MR. F. R. SQUIRE.

TAYLOR.—At 225 Nithsdale Road, Pollokshields, on January 11, suddenly, Mr. Thomas Taylor, of the firm of James Taylor, wholesale druggist, Melville Court, 132 Trongate, Glasgow. Mr. Taylor had been associated with his firm for the past forty years. He became a partner with his brother in 1899, when their father, the founder of the business, retired. Since then the trade had greatly increased, and additional premises had recently been purchased for an extension. Mr. "Tom" Taylor was in charge of the office, and, in addition, represented the firm over a considerable part of Scotland. Although not in robust health of late, he had been at business till within a few days of the end. Mr. Taylor was a man of a genial nature, and was greatly esteemed by all with whom he came into contact. He was a burgess of Glasgow, an office-bearer in the church of St. George's-in-the-Fields, and a member of the Incorporation of Cordiners. He leaves a widow and a daughter. The funeral, which took place at the Necropolis on January 14, was attended by a large gathering of representatives of the wholesale and retail drug-trades.

WINTER.—At Creffield House, Manningtree, on January 15, Lydia, widow of the late Mr. John B. Winter, chemist, aged eighty-three.

Personalities.

Mr. W. M. Woodhouse, chemist and druggist, Ludlow, as been appointed I.G. of the Masonic Lodge of the Marches.

Mr. P. R. Hill, Ph.C., High Street, Gorleston, has een appointed a member of the Great Yarmouth Food ontrol Committee.

Mr. H. A. Watkinson, chemist and druggist, Market treet, Farnworth, Lancs, has been re-elected a Vice-resident of the Farnworth and District Combined raders' Association.

Miss A. Roberts, chemist and druggist, has been ppointed dispensing pharmacist at the Storthes Hall ental Hospital (which is under the Yorkshire Asylums oard). Miss Roberts has just been demobilised from ork in Royal Naval hospitals.

Miss Webster, chemist and druggist, has been ap-ointed dispenser at the Eastern Hospital, Homerton rove, London, E. (which is under the Metropolitan sylums Board), to fill the vacancy caused by the transfer f Miss Broad, chemist and druggist, to the South-Western ospital, Stockwell.

Mr. C. P. Winchester (Burgoyne, Burbidges & Co., td.) received a presentation on January 21 in recogni-on of his efforts, as secretary of the drug section of the ssociation of Malt Products Manufacturers, to secure inimum retail prices for malt extract and preparations which it is an ingredient.

Miss Winifred I. M. Watt, chemist and druggist, has een appointed lecturer and demonstrator in pharmacy nd materia medica at the London College of Pharmacy, lapham Road, S.W. 9. Miss Watt is the youngest aughter of the late Mr. James Watt, who for many years as a journalist in Stirling and Arbroath.

Mr. John Francis, chemist and druggist, High Street, erthyr Tidfil, the newly elected President of the erthyr Tidfil County Borough Chemists' Association, a native of Merthyr. Mr. Francis qualified in 1896, nd took over the business of the late Mr. Richard lewellyn in 1910. He is a well-known Freemason.

Mr. J. A. Kenningham, who has been elected Presi-ent of the Proprietary Articles Trade Association, was born at Liverpool in 1873, and was edu-cated at Whitgift Grammar School, Croydon. As a boy he had a good "solo treble," and sang all over England, being often recommended for engagements by the late Sir John Stainer, organist of St. Paul's Cathedral, who presented him with autograph copies of several of the works of which Mr. Kenningham sang the solos under Sir John's con-ductorship. Through music he had his first connection with phar-macy by singing at the nnual dinner of the Pharmaceutical Society in 1886 or 887. He commenced his business career with Harper Bros., chartered accountants, in 1888, and it was while act-ng as a junior for the audit of Condy & Mitchell's books hat he applied to fill a vacancy with that firm. He re-nained indoors with them for nine years, and was then "on he road" until 1907. From 1900 onwards Mr. Kenning-ham took a large interest in legislative questions as affect-ng proprietary articles, and after one or two societies for binding proprietors together had failed, he assisted to strengthen the Proprietary Article Sub-section of the London Chamber of Commerce, which soon emerged as a full section. In 1908 he was chosen by the Section to go to Australia with Mr. Glover (of Messrs. Beecham) to oppose legislation there which would have seriously affected the interests of the manufacturers of proprietary articles. In this the delegates were entirely successful, and on their return they were presented with a testi-monial and illuminated address from the Section. In 1913 Mr. Kenningham received a further testimonial and address from the Section for his work in connection with proprietary articles legislation in West Australia and the Select Committee on Patent Medicines of the English House of Commons. Since then he has continued to take an active interest in all questions regarding legislation on these matters in Queensland, Canada, Straits Settle-ments, and many other places. He is a member of the Trade Mark Section, Proprietary Article Section, and Advertising Section of the London Chamber of Commerce, and the Sub-Committee attached to each. He is also treasurer of the Association of Manufacturers of British Proprietaries, a member of the Advertisers' Protection Society, and editor of their monthly circular. Mr. Kenningham was elected to the Council of the Proprietary Articles Trade Association two years ago, and has now been called to fill the highest office in that Association. In Masonry he is Past Master of the Royal Albert Hall Lodge and the Whitgift Lodge. Of the latter, which was formed in connection with his old school, he is a founder.

Mr. J. A. Kenningham.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration. See "The Chemist and Druggist Diary" 1920, p. 308.

(*From "The Trade-marks Journal," December 24, 1919.*)

"Temps Jadis"; for perfumery, etc. (48). By the Erasmic Co., Ltd., Bank Quay, Warrington. 396,622.

"Ye-Na"; for perfumery, etc. (48). By R. Blackie, Shen Works, Tower Bridge Road, London, S.E. 1. 396,869.

"Paramount"; for brushes (50). By C. H. Long & Sons, Sherborne Road, Birmingham. 394,722.

(*From "The Trade-marks Journal," December 31, 1919.*)

"Brobaco"; for chemicals (1, 2, and 3), explosives (20), goods (47), and for perfumery, etc. (48). By Brotherton, Ratcliffe & Co., Ltd., Winchester House, Old Broad Street, London, E.C. 2. 396,587/8/9/594/596/7. (Associated.)

"Ismacol"; for chemicals (1 and 2), and for goods (47). By the Isthmus Size and Chemical Co., Ltd., Folly Hall, Huddersfield. 396,981/2/3. (Associated.)

"Four Aces"; for chemicals (1). "Nutresco"; for chemicals (1) and for mineral waters, etc. (44). By Murphy & Son, Ltd., 2 Dorset Square, London, N.W. 1. 397,303; 396,681/2. (Associated.)

"Oraloid"; for chemicals (2), food substances (42), and for perfumery, etc. (48). By Menley & James, Ltd., Farringdon Road, London, E.C. 1. 396,660/1/2.

"Ceure," with picture of ship, train, and aeroplane ("Ceure" disclaimed); for medicines for preventing sea-sickness, etc. (3). By B. E. Hawke, 186 Bishopsgate, London, E.C. 2. 391,915.

"Cardinal Brand," with picture of Cardinal on seal (seal device disclaimed); for medicinal chemicals (3). By Cuxson, Gerrard & Co., Ltd., 26 Fountain Lane, Oldbury, Worcestershire. 394,583.

"Harvestine Brand a Salve"; for a salve for bites of harvest bugs, etc. (3). By J. Saville Cheetham, The Pharmacy, Parsonage Street, Dursley, Gloucestershire. 394,728.

"B P G" monogram (letters disclaimed); for the B.P.G. Co., 119 Palatine Road, Northenden, Manchester. 396,390.

"Coryphen"; for all goods (4) and (47). By J. Brown, 10 Dolefield, Bridge Street, Manchester. 393,224/5. (Associated.)

"Lonabarc"; for essential oils (4). By Lonabarc Trading Co., Ltd., 5 Finsbury Square, London, E.C. 2. 397,371.

"Aptus Trade Mark" on scrolls and monogram M. & Co.; for all goods (8). By Moore & Co., 101 Dale Street, Liverpool. 394,144.

Trade Notes.

KRASKA NAIL POLISH and other toilet preparations are advertised in this issue by the Kraska Co., Ltd., 7 Blenheim Street, New Bond Street, London, W. 1.

"REX" ELECTRIC BRUSH.—The Rex Import Co., Ltd., Rex House, 202 Bath Street, Glasgow, give particulars of the "Rex" self-generating electric hair-brush, and state that orders can now be executed promptly. The retail price of the brushes is 2*l.* 2*s.* complete.

COX'S DIARY.—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, have sent out this year a pocket diary ($4\frac{1}{8}$ by $3\frac{5}{8}$) bound in leather. The calendar pages are followed by a good supply of blank diary pages, which makes the booklet of real use as a pocket note-book.

FRENCH PERFUMERY.—Mr. Réné Paindessous, 150 Southampton Row, London, W.C., is general representative for the United Kingdom (wholesale only) for the Parfumerie Française de Grand Luxe Pacaut, Paris. Some of the Pacaut specialities are mentioned in Mr. Paindessous's advertisement. [Corrected notice.]

FOUNTAIN PENS.—The Parrot Pen Co., 65 Regent House, Regent Street, London, W., advertise in this issue fountain pens which are a convenient side-line for chemists' sale. We have tried the No. 3 self-filler referred to which retails at 15*s.*, and find it to be of excellent value. The trade prices are given in the announcement.

ROYAL COURT HAIR DYE.—Since the advertisement of J. Knox-Walker & Co., Ltd., manufacturing chemists, 422 Kingsland Road, Dalston, London, E. 8, was printed in THE CHEMIST AND DRUGGIST DIARY, 1920, the prices of the Royal Court hair dye have been protected at face value. These prices are given in the advertisement referred to.

WATER-GLASS.—It is expected that the demand for water-glass as an egg preservative will this year be greater than ever owing to the continued high prices for eggs in the winter season. Tomlinson & Hayward, Ltd., Lincoln, pack a water-glass, 140 Twaddell, in tins, which do not leak. Name and address of the chemist can be printed on the labels and carriage is paid on the cases.

SAPINOL SHAMPOO.—Thomas Christy & Co., 4, 10 and 12 Old Swan Lane, Upper Thames Street, London, E.C. 4, send us one of the new showcards for sapinol shampoo. It is a novelty in showcards and specially attractive. On the front are fixed specimen packages of the shampoo. The showcard is given with every order for six dozen of the shampoo, and two dozen of either egg or henna shampoo.

DIARY CORRECTIONS.—Will our subscribers please note that the old telephone number of the Clayton Aniline Co., Ltd., has inadvertently been inserted in the Trade Directory on p. 142 of THE CHEMIST AND DRUGGIST DIARY, 1920, but that the correct number (Central 4433) appears in the company's advertisement on p. 333.—Henry C. Quelch & Co., Ludgate Square, London, E.C. 4, inform us that in the advertisement of Tetlow's "Swan Down" face powder on p. 103 the bonus offer of 2 doz. with each gross was inserted in error. The prices quoted are otherwise correct.

THE "GOLDEN" SERIES.—We have at various times referred to the "Golden" Series of toilet preparations manufactured by A. & F. Pears, Ltd., 71-75 New Oxford Street, London, W.C. 1. The company now send us a complete set of the preparations which comprise the series. These are: Solid brilliantine, shaving-stick, speedy shaving-powder, pear-blossom talcum powder, toilet cream, dental paste, and lip salve. The packages being gilt have a particularly handsome appearance, and exhibited on a tray on the counter are sure to attract the attention of customers. The sale, we are informed, is constantly increasing.

A LITTLE SUGAR, added to milk about to be warmed, prevents the formation of a coagulum.

AN INFANT has been killed in the East End of London by the application of a very hot linseed poultice.

Testimonial to Mr. Rutherford Hill

THE following circular is being sent out by the Comm of the Fund which is being raised to present a t monial to Mr. J. Rutherford Hill:

116 Nithsdale Road, Pollokshields,
Glasgow, January, 19

Proposals have several times been made that the stren and faithful services which Mr. Hill has rendered to craft in Scotland during the thirty odd years he has their representative should be tangibly recognised, but continuance of war conditions made it inopportune t so. The suggestion was renewed at a recent meetin the General Council of Panel Chemists, and they appoi the following as a Special Testimonial Committee to with the matter, *viz.*:

A. A. Dick, 283 Main Street, Bellshill.
W. F. Hay, 476 Union Street, Aberdeen.
Jas. Jack, 102 High Street, Arbroath.
Jno. Muir, 7 Crichton Pl Edinburgh.
M. Meldrum, 7 Burns St Square, Ayr.
J. B. M'Vitae, 27 Lang Place, Glasgow.
Chas. Stephen, 26 Wellgate, Dundee.

Thomas Guthrie, 204 Glasgow Road, Clydebank—*Chairm*
Geo. Shiach Kitchin, Pollokshields, Glasgow.—*Hon. Se tary and Treasurer.*

The valuable work which has been performed by Hill is known to every one, but more especially since advent of National Health Insurance. The Council ticularly desire to direct attention to the fact that, withstanding the onerous addition to his official du which National Health Insurance has entailed, Mr. Hill not, so far, been remunerated for this work in any Another long series of negotiations with the Scottish Bo of Health has just been concluded favourably to chem in Scotland and the General Council, the members which have been so closely associated with Mr. Hill dur these and earlier negotiations, and who will themselves to be replaced by a new Council in the near future, acc ingly regard the present as a most suitable time to recog Mr. Hill's abilities.

The Committee feel that they may rely on the cor support of every member of the craft in Scotland; in f a large number of handsome subscriptions have alre been intimated. They also feel that the opportunity be welcomed by a large number of Scotsmen residen England and abroad who appreciate Mr. Hill's fine of service to the craft. There are doubtless also m English pharmacists who know and value Mr. Hills' vices, as these have not been entirely confined to Scotla and subscriptions from any such will be very hear welcomed.

Information Department.

INFORMATION WANTED.

159/57. "Paragon" brand sterilised dressing
160/47. "Carlotta Destinn" nail polish
154/47. "Boronia" skin ointment
158/46. "Splenox" remedy for malaria
157/62. Doughton's East Indian pills
154/72. "Simplex" ice bags
160/70. Glass tubes (gilt) for Otto of Rose
154/48. Stone's oils and pills
157/66. "Champion" whirling spray
157/64. "Kazazyle" tablets
157/61. Jublex pills
160/74. Adonite
153/64. Roberts' Balm of Gil
138/39. "Demiracle" depi tory
158/5. "Adoniee"
158/4. Hall's lint and cott wool
157/65. Bleasdale's revolvi razor strop
160/71. Maissoneuves uret tome
162/5. Dnoformula
121/65. Damascus pills

INFORMATION SUPPLIED.

"Analgetine," 144/41
Andrew's, Dr., asthma paper, 145/43
Borax (Norwegian inquiry) 152/43
Brilliantines (solid) in bulk, 135/60
"Cady" chypre perfume, 137/9
Evatmine ampoules, 145/44
"Featheredge" rubber sponges (South African inquiry), 129/12
Formaldehyde, 138/3
Formatone, 138/24
"Glymiel" jelly, 145/45
"Kasagra," 116/20
Kaufmann's bitters, 132/23
141/4
Oxylithe, 138/52
Packer's tar soap, 132/31
"Pazo" ointment, 135/5
Peeling-machinery, 138/38
Planten's capsules, 132/57
"Plasmul," 127/39
Pond's tampons, 144/28

Observations and Reflections.

By Xrayser II.

Rats,

if they are as wise as Bacon thought, must surely be contemplating an exodus from our shores in view of the crusade against them. I do not, however, think they need fear extinction, nor that we shall greatly diminish their numbers unless public bodies are as active in their destruction as the private individual is required to be. I once lived in a large London house in which we used to kill a rat or two every day, but they swarmed so in the sewers that though we kept the house itself fairly free, we could not keep them off the premises. The so-called water-rat—really a vole—(which presumably does not come within the scope of the Act) is as destructive to certain kinds of food as the true rat, and late in last century a Royal Commission was appointed to inquire into its depredations. I was told some years before this of a nest having been discovered by a farmer in which 28 lb. of potatoes had been laid up in store against the coming winter, all apparently for the use of one animal. You say the black rat has lately increased greatly in numbers in this country. Goldsmith, in his "Animated Nature," speaks of it as "the common black rat, now common no longer," and Miss Phipson, writing in 1883, says it was then almost extinct with us. Neither it nor the brown rat is a native, and we could well do without either. It is a pity we cannot "rhyme them to death," as Ben Jonson says the Irish do, a fact (if it is one) to which Rosalind in "As You Like it" also refers. Is it that Irish poetry is more deadly than ours, or Irish rats more sensitive?

Mr. Guthrie's Letter

on the comparison that has been made between Scottish and English dispensing antagonises my notes on the same subject at so many points that I cannot let it pass without a word of reply. He says that Scotland disapproves, and has always disapproved of such comparisons. Then why was Scotland the first to make them? He says again that if it is deemed desirable his Committee will justify itself in its own way, at its own time. Very good of his Committee, I am sure! Why not do it at once? Is it less injurious to make a general charge, which indeed can neither be proved nor disproved, than to give instances which can be specifically dealt with? As for the remark that each country knows its own conditions best, that is very true, though slightly irrelevant, but it is not enough. The concluding sentence of Mr. Guthrie's letter is still more cryptic. Whatever he may fear, we have nothing to fear from this discussion.

Mr. Wolff's Objection

to the Council's being asked to approve rules its members had not seen was not met by anything that was said on the other side. The Secretary's defence was, even for him, an amazing piece of effrontery. We have four or five secretaries drawing handsome salaries, yet to save them work and the office further expense, they must not be asked to provide the Council with the documents necessary to a judgment on matters submitted to it! Nothing better can be said for the plea that the Report of the Local Associations Executive was enough in itself: has the Council no responsibility of its own? Is it there simply to register the decisions of its subordinate? If so, it might as well, so far as this matter is concerned, not be there at all. But, says Mr. Deakin, the modifications of the rules are so small! It is the excuse of the girl with the illegitimate baby. The whole incident is typical, and Mr. Wolff must be thanked for his exposure of the Council's mode of doing business.

The Making of Mountains

out of molehills is an occupation for which we chemists appear to have a peculiar fondness. I cannot claim to be exempt from a tendency to it myself, but "Rotaria" makes my weakness look slight indeed by comparison with his own. There may possibly be cases of difficulty in working the rota for its legitimate purpose without offence to a few unreasonable people who would abuse it. I have experienced similar difficulties at the side door, and on closing days, when, my Post Office department being necessarily open, I have been asked to break my agreement with neighbouring chemists by serving customers at the drug counter. We can't avoid these embarrassments, but we need not exaggerate them as "Rotaria" does. We are not in business for our health, yet it is foolish to worry ourselves into a nervous breakdown by the anticipation of troubles that may never come, or, if they do, are easily surmounted by the exercise of a little tact. After all, the public is not an ass.

The Chemist in Fiction

has been so much in evidence in these columns that I ought perhaps to apologise for re-introducing him, but the latest specimen I have met with—Craig Kennedy, the hero of Mr. Arthur B. Reeve's "Dream Doctor"—differs from those with which we have become so familiar in being not a pharmacist but a chemist of the kind which even Mr. Pilcher would admit to be such. He is, indeed, much more than a chemist; Edison might almost envy his knowledge of electrical science, and Freud take lessons from him in dream-philosophy. These manifold accomplishments he devotes to the detection of crime, with results beside which those of Sherlock Holmes are easy. I should not like to say that his science is always sound—that, for instance, enough phosphorated ether could be smeared on the flap of an envelope to cause instantaneous death to the lady who licked it—or that his electrical and other apparatus would work invariably to such fine issues; I suspect that the author anticipates as well as records the achievements of the scientist, and, looking at the matter from another point of view, they are sometimes described in so technical a manner that the ordinary novel reader will not easily understand them. Mr. Kennedy is, too, so invariably successful that the interest of the story, *qua* story, suffers; one cannot easily get excited over a foregone conclusion. All deductions made, however, the book is a very readable one, especially for one who has some acquaintance with science—enough, at least, to make him critical.

The Toothbrush,

says "R. R.," writing in "Science Progress" for January, is an "unnatural instrument." On this ground he deprecates its use and recommends massage with the finger instead. Our forefathers, he tells us, had better teeth than we, yet they used no brush, nor do the savage peoples whose magnificent teeth are proverbial. This may be so, but our fathers, at any rate, appear from old medical books to have suffered much as we do from toothache and decay, and not many years ago there were plenty of people in England who had never used a toothbrush in their lives, yet were in as bad case as ourselves. The toothbrush, we must remember, is quite a modern invention. The spacious days of great Elizabeth knew nothing of it, unless the name of brush were given to the sticks of liquorice, spurge, or lucerne root, cut into the form of a brush, which were occasionally used. Commonly the teeth were simply washed, or rubbed with the finger or a piece of cloth either held in the hand or twisted round a stick or skewer. The first instance known of a real toothbrush in this country occurs in 1651, when Sir Ralph Verney received a present of one from Paris, apparently in answer to inquiries he had made some three years before concerning their use in that city. The Greeks and Romans, among whom artificial teeth were in use, apparently cleaned their teeth as our Elizabethans did; they also chewed mastic to keep them white, and Lemery, in his "Arcana Curiosa," gives several receipts for tooth-powder into which mastic enters. He recommends washing, rubbing with a cloth, and a "rough brush," of what kind I cannot say, nor do I know the date of his work, as I have only an English version of a late edition. Probably we err sometimes in using too strenuously very hard brushes, but "R. R." makes out no case for scrapping this "unnatural instrument" (why unnatural?) altogether.

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LIQUORS

Editorial Articles.

The Quinine Controversy.

THE findings by the Board of Trade on consideration of a report by a Committee appointed to investigate the position of prices and supply of quinine sulphate under the Profiteering Act, 1919, were published on January 15 as a White Paper [Cmd. 449, 1*d.*], and we give the text in full on page 65 of this issue. The Board of Trade has refrained from publishing the evidence of witnesses on the ground "that the publication might be a breach of the law, and might expose it to a series of penalties." At the same time the report contains a number of misleading statements, and by implication draws wrong conclusions, in addition to which it gives quotations from private and confidential documents which is regarded as a distinct breach of faith by those who supplied them. Moreover, the Committee was chiefly composed of men who knew nothing whatever about quinine, beyond an official from the War Office, and it is to be regretted that a member of the Inter-Allied Committee on Quinine was not on the Committee to guide the members in their deliberations. In order to ascertain the facts of the matter, a representative of this journal interviewed Mr. H. S. Abrahamson, manager of the British Quinine Corporation, and his account differs materially from the White Paper. It appears that in August last, when the War Office did not know what to do with their quinine, and wished to wind up the control, the British Quinine Corporation received a notification from the War Office asking them if they would purchase the whole of their stock at cost price (1*s.* 8*d.* per oz.), which would then have meant a profit of at least 80,000*l.* The Corporation (Mr. Abrahamson in particular) pointed out, however, that as Italy and India were badly off for quinine, they should have what they wanted, and in fact they got the major part of the holdings at cost price (1*s.* 8*d.*), but the report omits all reference to this. Subsequently the War Office circularised all wholesalers and others who were in the habit of purchasing quinine from the War Office, offering them

the remaining 840,000 oz. at 2*s.* 11*d.* per oz. As the British Quinine Corporation, which had been brought into existence at the instigation and with the approval of the Government, represented 80 per cent. of the consumers, they eventually agreed to acquire the remaining 80 per cent. of the stock (840,000 oz.) at the Government's own price of 2*s.* 11*d.*, it being understood that they would have entire liberty to dispose of it when and where they desired. This action of the Corporation thus prevented the surplus stock getting into the hands of Mincing Lane speculators, who would have forced up prices immediately. The Corporation further guaranteed not to sell the quinine beyond the controlled price, but should the price fixed by the Dutch combine be increased or reduced, the Corporation stipulated that it might be necessary for them to alter the price accordingly. Thus the Government made a profit of 1*s.* 3*d.* per oz. on 840,000 oz. (say, 45,000*l.*), but the White Paper again makes no mention of this important fact. During the war the Dutch quinine makers had been tied down by contract to supply quinine to the Allied Governments at a very low price, and when this contract expired in September 1919 the Kina Bureau advanced the minimum price to 3*s.* 5*d.* per oz., or 6*d.* more, which was a few days after the Corporation had paid 125,000*l.* for the surplus stock. They thus found themselves in possession of stock which had automatically increased in value by 21,000*l.*, but the Corporation maintain that they had no knowledge of the advance in price when the deal was consummated. The White Paper states that "before this sale was actually made the Department were assured by Mr. Abrahamson that the price of quinine in this country would, on the removal of Government control, almost certainly fall," but Mr. Abrahamson informs us that he had never given any official assurance of the kind, although he had mentioned in a letter to an official his personal opinion that the price in this country would go down when control ceased, provided that the Dutch price remained as it then was, but no mention of this was made in connection with the transaction. The Government may have been requested by the Corporation to accept "immediate payment," as the report states, but the quinine was only deliverable on cash conditions (cash with order), and on this transaction the Government made a profit of from 40,000*l.* to 45,000*l.* The Profiteering Committee believes that the actual cost of quinine in Java cannot be more than 1*s.* 8*d.* per oz., but at the present unit rate of exchange the Dutch makers are paying about 2*s.* per oz. for "quinine in the bark," which is 4*d.* more than the Government "authority" estimates the cost of manufacture at. The planters were never content with 8 to 10½ per cent. per unit, as the report states they were, and they asked several times to have the war contract cancelled. The blockade prevented them shipping quinine to anyone but the Allied Governments, with whom they made a contract by which the Allies obtained quinine at a very critical period and at a low price throughout the war. It is common knowledge that this successful piece of work was due to the zeal and ability of Mr. Abrahamson, but no mention of this fact is made. We might point out that during the whole of the war the price of quinine in the United States was higher than in this country, and to-day it is 90c. per oz. in first hands. It seems unfortunate that such a report should have been circulated, and it will create a bad impression in Dutch quinine circles. Neither is it a subject that the public are keenly interested in, as the home use is extremely small as compared with the export trade.

The Testing of Salvarsan.

ONE of the most wonderful achievements of chemists during the war was the prompt manufacture of salvarsan and neosalvarsan when the supplies of these medicaments ceased with the outbreak of hostilities. The Teuton boast had been that, whatever else was made in England, it would be impossible to carry out the manufacture of such a complicated chemical as salvarsan. Like a good many other German prophecies of recent years, this turned out to be false, and the signing of peace finds this country with a firmly established industry devoted to the manufacture of this anti-syphilitic chemical. As is well known, the grant of licences to employ the salvarsan and neosalvarsan patents was hedged round with precautions necessary in the case of such a potent drug to ensure that the British-made salvarsan should be safe for use. Licensees were required to carry out the manufacture to the satisfaction of the Board of Trade, and to provide, at their own expense, for biological testing of the preparations by persons competent to issue certificates that the article had been tested and found satisfactory. The details of the steps taken to ensure satisfactory chemical and physiological tests are given in a report (Special Report Series, No. 44) just issued by the Medical Research Committee (National Health Insurance). The report deals concisely with the chemistry of salvarsan and allied compounds, tracing the origin to the early work of the English and French chemists, who discovered atoxyl and its curative effects in trypanosomiasis. After referring to the manufacture of salvarsan, the report deals with recent developments, such as sodium-salvarsan, copper-salvarsan, and silver-salvarsan, which, however, are still on their trial. The question of nomenclature is then discussed, and the report takes the view that we hope and believe is incorrect; it states (the italics are ours) :

> It is clearly desirable that, whatever may be allowed in the way of distinctive trade-marks as indications of particular makes, there should be a recognised common name for each of these substances, less cumbrous than the scientific chemical name, and free from any specific commercial association. For "606" the general adoption of the name "Salvarsan" would obviously be most convenient if the future of the trade-mark rights in the name were clear. *It is apparently still possible that the German owners may regain their trade-mark rights in this name, which, in the existing state of British law, would then become a permanent property, even after the expiration of the patent rights in the substance and in the process of its preparation.* Under these conditions it is impossible to recommend the name as one which should be officially adopted and in due course admitted to the Pharmacopœia.

The report then refers to the adoption of the word "arsphenamine" by the United States Government, and appears to favour the use of that name in this country. The Committee do not seem aware that the settled law in this country is that the name of a patented article becomes public property on the expiration of the patent covering the manufacture, and as, we imagine, the British manufacturers of salvarsan are well aware of this, we cannot see them quietly allowing the Germans to obtain a monopoly in the only name for the substance which has anything like general acceptance. In regard to chemical control, the following are the suggested standards for salvarsan and neosalvarsan :

SALVARSAN.

Physical Properties.—The drug should be in the condition of a pale-yellow to yellow, dry amorphous powder, freely mobile in contact with glass surfaces, and practically without odour except that due to traces of ether.

Ash.—On ignition the yield of ash should not be more than 0.5 per cent.

Solubility.—If 0.5 gram of the powder is added to 35 c.c. of distilled water contained in a glass-stoppered 250-c.c. cylinder, and the contents somewhat vigorously shaken, the powder should rapidly and completely dissolve. This solution should be neutral to Congo-red paper and should be of a pale-yellow colour, perfectly clear and free from flocculi, hairs, dust, or suspended particles of any kind. The addition of 1 c.c. of 15-per-cent. sodium hydroxide to the aqueous solution of the salt should cause a preliminary separation of solid arseno-base, which, on shaking the liquid, should completely dissolve, forming a bright-yellow solution. This on dilution to 250 c.c. with 0.5 per cent. saline solution should give a perfectly bright, light-yellow liquid.

Percentage of Arsenic.—The powder as taken directly from the tube should contain not less than 30 per cent., nor more than 34 per cent., of arsenic, as determined by some absolute method.

NEOSALVARSAN.

General Properties.—Neosalvarsan should be a yellow to orange yellow, fairly dense, dry powder, mobile in contact with glass surfaces, and practically without odour except that due to traces of ether or alcohol; its 5-per-cent. aqueous solution should be neutral to litmus paper.

Solubility.—If 0.6 gram of neosalvarsan be added to 1 c.c. of water it should dissolve rapidly and completely, forming a yellow-coloured, clear solution, mobile, non-gelatinous, and free from suspended particles.

Percentage of Arsenic.—Neosalvarsan should contain not less than 18 per cent., nor more than 21 per cent., of arsenic.

The methods of estimating the arsenic—the oxidation titration method and the gravimetric assay as magnesium pyroarsenate—are given in an appendix to the report. The biological tests are then dealt with. The German tests were not found to give consistent results, and these tests were improved upon by using mice and making intravenous injections in the tail. The test doses for animals suggested for salvarsan are rabbit 0.12 gram per kg., mouse 0.125 (*i.e.*, mg. per gram), rat 0.08 (*i.e.*, mg. per gram). At least five animals should be used for a test. In the case of the mouse one death in five should not disqualify the preparation. If two deaths in five occur, the preparation should be retested on a higher dose—0.15 mg. per gram. If the majority of mice tolerate this dose the preparation may be considered satisfactory, but should otherwise be rejected. If more than two deaths in five occur on the standard test dose of 0.125 mg. per gram, the preparation should be rejected forthwith. For neosalvarsan the standard intravenous doses (in 10-per-cent. solution or more) are: Rabbit 0.2 gram per kg.; mouse 0.3 mg. per gram; rat 0.18 mg. per gram. As regards delayed toxicity no definite solution is arrived at, but the opinion is expressed that delayed poisoning is rather a matter of the susceptibility of individuals or other similar factors. As to the future control of salvarsan and neosalvarsan, it is stated that the protection of the Pharmacy Acts is insufficient, and it is suggested that legislation be obtained, making the Ministry of Health responsible for controlling the conditions under which such toxic drugs are supplied, and for this purpose enabling the department to make regulations prohibiting the importation or sale of the substance unless it complies with certain stipulated chemical and biological tests, and, in general, to impose conditions under which the substance may be sold. A system of licences to manufacture and import is also suggested. Interesting general observations are appended to the report, among which is the statement that the original idea that one or two doses of salvarsan are sufficient to cure syphilis is "incorrect and misleading"; successive courses of treatment may be necessary. In view of certain prejudiced statements, we quote the following from the report:

The Committee are of opinion that from the point of view of permanence of effect the French and British preparations of "606" and "914" are therapeutically as good as the German.

The Committee consider . . . that the only conclusion justified by the evidence available is that there is probably no substantial difference between German preparations and British or French preparations as regards toxic effects.

In one hospital 8,512 injections of kharsivan were given, and, where kharsivan was given alone, without any cases of jaundice, dermatitis, or deaths among patients.

Combating Co-operative Trading.

IN view of the growing tendency of political parties and others to strive to eliminate individual traders from business, and to recommend the extension in every way possible of the co-operative system of trading, there has been formed in London the Amalgamated Trades' Association, with offices at the London Chamber of Commerce, 1, 2, and 3 Oxford Court and 97 Cannon Street, London, E.C. 4. The Association seeks to enlist as members those trade associations which are in sympathy with the objects, which are stated as follows:

1. To maintain the right of freedom of individual trading in all commodities.
2. To demonstrate to the public the grave national danger of the elimination of the private trader.
3. To combat any political or other agency whose object is to eliminate private trading.
4. To maintain in all branches of trade the principle of competition, which in the past has proved to be of the greatest benefit to the nation.

In some parts of the country the co-operative movement has grown to enormous dimensions, and it is felt that the public is not always aware that the system does not necessarily lower the price of the goods sold, but often enhances the retail price. Further particulars of the Association, which is hoping to build up a powerful organisation to combat the co-operative movement, are given elsewhere in this issue.

Government Control of Quinine Exports.

IT would appear that, having been recently compelled to abandon their control over the price of quinine sulphate in this country, the competent Government authorities are endeavouring to get their own back, so to speak, by hampering, so far as they can, the trade in quinine, as licences to export are still required. Why this should be so is incomprehensible to anyone but the Government officials concerned. There can only be one reason for such action on their part, and that would have to be substantiated by facts—namely, that stocks in this country were diminishing to such a degree as to threaten a scarcity of quinine supplies in the United Kingdom. This, however, is not the case. Shipments of sulphate are regularly forthcoming to this country, and in such large quantities as to guarantee adequate supplies to meet the *bona-fide* home demand, as well as the requirements of a large export trade, for many months ahead. In these circumstances it would appear that the Government's policy of continuing to exercise restrictions upon the export, far from being dictated by honest fear for the position of stocks in the United Kingdom, has its origin in the petty desire of certain officials to continue to irritate the trade. How can one think otherwise in view of all the facts of the case? Having failed recently to consolidate the position of control, these officials are now acting the part of snipers. It is high time, however, that this petty quarrelling on the part of the Government with the quinine trade should cease. That trade is composed of many level-headed, well-known business men, who are quite as prepared to look after the interests of their own country, as regards supplies, as they are to take legitimate advantage of the present exceptional demand for quinine abroad. As has been frequently emphasised in previous issues of this journal, the quinine trade in the United Kingdom is primarily an export one, and in that respect, therefore, is entitled to rather more than less consideration in the present depressed financial situation of this country.

Pharmaceutical Society of Ireland.

Council-meeting.

THE Council-meeting of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on January 13. Mr. J. E. Connor, J.P., President of the Society, presided; and the following members of the Council were also present: Dr. A. J. Barnes (Vice-President), Dr. J. A. Walsh, Dr. J. C. McWalter, Messrs. G. D. Beggs (Hon. Treasurer), W. F. Wells, and Richard Blair.

Mr. Victor E. Hanna, Mr. A. Owen Wells, Mr. McLean Lee, and Mr. H. Lancashire, J.P. (Ballymena), wrote apologising for absence. Mr. Hanna sent the following notice of motion:

That in future the accounts of the Society be audited annually by a chartered accountant not a member, and that a full statement be published accordingly.

VICTORY DINNER SUGGESTED.

Dr. MCWALTER said it struck him that they ought to have a Victory Dinner in connection with the Society. They used to have an occasional dinner.

Mr. WELLS said they had a couple of dinners, and it was a very hard struggle to make them successful.

Dr. MCWALTER: I think a Victory Dinner would not be out of place.

Dr. BARNES: It is too late now

Dr. MCWALTER: No, peace has just been signed.

No action was taken in the matter.

THE ATTACK ON VISCOUNT FRENCH.

A letter was read from the assistant private secretary to Viscount French, thanking the Council for their letter (*C. & D.*, December 27, p. 60) congratulating him on his escape in the recent outrage.

MINISTRY OF LABOUR SELECTIVE COMMITTEE.

Mr. James Michie wrote resigning his position as representative on the Ministry of Labour, and the Council appointed Mr. W. F. Wells in place of Mr. Michie.

THE APPOINTMENTS BRANCH.

The Registrar submitted the following letter from the Ministry of Labour Irish Appointments and Training Branch, 65 Merrion Square, Dublin. It stated:

An effort is being made to enlist the help and co-operation of the professional and business community of the district on behalf of those officers and men who are registered in this office for employment.

It is desired to emphasise the point that those men are not seeking training or Government grants of any kind. They already possess qualifications of one kind or another, and are looking for employment.

With a view to assisting these men to obtain suitable appointments it is proposed to set up interviewing panels composed of representatives of the leading professions and industries throughout Ireland. The idea is that every candidate should appear before a panel composed of members of the profession or business in which he seeks employment, that his qualification should be carefully scrutinised, and that he should be assisted by the advice of these experts as to the steps he should take to secure such employment. It is hoped that members of the panels may also from time to time find themselves able to introduce candidates to other members of their profession who have vacancies on their staffs. In this connection I am directed by the Dublin Selective Committee to approach you with a request that you will be so kind as to bring this matter to the notice of your Council. I am also directed to suggest that there are two ways in which it may render valuable assistance:

1. By detailing members to sit upon one of the interviewing panels referred to above.

2. By sending to this office early notification of any vacancies which may arise either in the gift of your Council or in the profession generally. I may add that there are at the present moment several chemists on our books.

In order that we may proceed with the formation of the necessary panels, I would be glad if you would kindly intimate as soon as possible how many members your Board would be prepared to nominate.

Dr. BARNES expressed the opinion that this was more a matter for the Trade Association.

The President, Vice-President, and the Hon. Treasurer were appointed to represent the Council on the interviewing panel.

THE PHARMACY EXAMINATION PAPER.

The Registrar submitted the following communication from the examiners in the Pharmacy Division of the Pharmaceutical Licence Examination:

SIR,—In reply to your letter of November 12, we beg to submit for the information of the Council the following observations regarding the Pharmacy paper set at the October Licence examination. Twenty candidates presented themselves for examination, fifteen of whom attempted the eight questions set, three attempted seven questions, and two attempted six questions. One candidate obtained on the paper 76 per cent., two candidates obtained 73 per cent., one candidate 70 per cent., two 66 per cent., two 60 per cent., and six 50 per cent. Six candidates failed to secure pass marks on paper, three of whom also failed in other divisions of pharmacy. Eight candidates failed in compounding, five of whom had obtained pass marks on written paper. We have also gone over the candidates' papers for the preceding three examinations and find the following results:

In July 1919 thirty-three candidates presented themselves for examination, twenty of whom attempted the eight questions set, eleven attempted seven questions, two attempted six. At this examination one candidate obtained on the paper 86 per cent., two 83 per cent., four 73 per cent., one 70 per cent., three 66 per cent., five 63 per cent., six from 50 to 60 per cent. Eleven failed to secure pass marks, seven of whom also failed in other divisions of Pharmacy. In April 1919 twenty-one candidates came up for examination, seventeen of whom attempted the eight questions set, four attempted seven questions. At this examination one candidate obtained on paper 86 per cent., two 76 per cent., six 66 per cent., eight from 53 to 63 per cent. Four failed to secure pass marks, three of whom also failed in other divisions of Pharmacy. In January 1919 fourteen candidates came forward for examination, nine of whom attempted the eight questions set, four attempted seven questions, and one attempted six. One candidate gained on paper over 76 per cent., one gained over 73 per cent., one 66 per cent., nine from 50 to 63 per cent. Two candidates failed to secure pass marks on paper, one of these also failing in all the Pharmacy divisions.—We are, your obedient servants,

J. BURNETT.
D. WARWICK.

Mr. W. F. WELLS said he thought the Council ought to express their approval of the statement of the examiners. He had been looking up some of the old examination papers, and he found that for the last four or five years the examiners had always given eight questions. The examiners in chemistry and materia medica had also given eight questions; and no exception had been taken to them. Having regard to the big percentage of men who got good marks on the pharmacy paper there could not be anything very wrong in the present system. But if the Council thought that the examiners should reduce the number of questions they ought to be prepared to do it. They had to give a man a qualification, and he thought it would be a mistake to cut down their examination at all.

Mr. BLAIR said the examiners used the expression "attempted" so many questions. That was very negative.

Mr. WELLS said that in answer to that they had the percentages. The majority of the candidates appaarently did fairly well.

Dr. WALSH: It gives a candidate a better chance to have eight questions than seven.

Dr. BARNES said that probably no member of the Council had more experience of this particular paper than he had. He had superintended that examination something like thirty times; and he thought that in every case the candidates wanted more time for that particular paper. He was constantly hearing complaints that they could not possibly get the paper done in the two hours; and he thought, looking over the papers of the past ten years or so or even longer, that there could be no doubt that there was in the paper a tremendous amount of writing for two hours. He knew that he personally could not do it. He rather thought that the paper should be cut down

to six questions of the existing type of question, and that that number of questions would be quite sufficient for the two hours.

The PRESIDENT: The student does not get the same opportunity as if he had eight questions to select from.

Dr. BARNES: I agree. The other alternative is to allow longer to the eight questions. I do not see how you can do that. There is another alternative, and that is to make the oral examination more exhaustive.

Mr. WELLS: I do not think you have evidence that the candidates are dissatisfied. I have attended the examination for several years and I never heard a complaint.

The Council decided that the explanation of the examiners was considered satisfactory.

CHANGES OF ADDRESS.

The Registrar read a letter from Mrs. Margaret Holohan (*née* Leary) stating that she had been married and had changed her residence from the Medical Hall, Mountmellick, to the Medical Hall, Stradbally, where she has opened a business. The following also notified changes of address:

Mr. Alexander Galashan, Ph.C., to 32 Oxford Road, Ranelagh, Dublin; Mr. Richard Linehan, Ph.C., to "Glenone," Earlswood Road, Belfast; Mr. James Leslie, Ph.C., to 40 Brunswick Road, Hove, Sussex; Mr. J. W. Harvey, Ph.C., to 10 Grenville Place, Cork; and Mr. Joseph McBurke, Ph.C., to c/o Messrs. T. H. Fitzpatrick & Co., Ltd., Knox's Street, Sligo.

PRELIMINARY REGISTRATION.

The following submitted certificates from the Intermediate Education Board and were admitted to preliminary registration:

Miss Rose McCarthy, Mr. M. Curley, Mr. H. J. Deeny, Mr. M. J. Griffith, Mr. P. Johnston, and Mr. P. McGennis.

MOTION POSTPONED.

It was decided to postpone for two months the consideration of the following motion, of which Dr. McWalter had given notice:

That, subject to the approval of the Privy Council, the name of any pharmaceutical chemist who refuses to compound or dispense medicines for any member or ex-member of the Forces of the Crown (or for any person seriously sick who cannot otherwise procure such medicine) may be removed from the Register of Pharmaceutical Chemists.

ELECTIONS.

Mr. John J. Connolly, Ph.C., The Medical Hall, Westport, and Mr. John Shiel, Ph.C., The Medical Hall, Carrick-on-Shannon, were elected as members.

PROPOSED IRISH CONFERENCE.

Dr. BARNES asked if there is any hope of an Irish Pharmaceutical Conference being established?

The PRESIDENT: It was mooted.

Mr. WELLS: I hope that will not prevent us going to the British one.

The PRESIDENT said it had been suggested by Dr. Barnes that, as it was impossible to go to Belfast (for the annual meeting), they should form a pharmaceutical conference similar to that in England for the purpose of meeting their pharmaceutical brethren in different parts of the country. The question had only been mooted and nothing had been done in a concrete manner to bring about this result. He (the President) thought it was a very good suggestion; and probably, if Dr. Barnes or some other Dublin members would take the matter up, it might be made a success.

Dr. BARNES: I am afraid this year I should not have time to tackle it. If it is mentioned again some member may come forward with suggestions about the actual formation of it.

Dr. McWALTER said he did not know that they had enough materials for an Irish Conference. The British Conference had been very successful.

Mr. WELLS: They are always glad to see Irish members, and they treat them most courteously.

Dr. McWALTER thought that they should have a scientific evening.

Examination Results.

PRELIMINARY EXAMINATION.—Eileen Mary Harrington, Dublin, and Clare Evans, Foxford; passed with honours. The following also passed: Catherine Kelly, Glanworth; Annie Patricia McCarthy, Cork; James John Meehan, Maryborough; Annie Frances Rankin, Dublin; James Alphonsus Rourke, Mitchelstown; Eva Flynn, Limerick; Bridget McLaughlin, Londonderry; Andrew Wilson McDowell, Coleraine; Leonora Dorothy Zeider, Dublin; Frances McGrath, Clonmel; Madeleine Shannon, Dublin; Patrick Barry, Rathcormac; Philip Joseph Connery, Dublin; Edith Mary Vindin Leach, Dublin; John James Morrissy, Miltown-Malbay; Patrick Mansfield Smyth, Dublin; Wm. Ferguson, Ballyroney; Alice Bouchier Hayes, Dublin; Mary Harrington, Skibbereen; John Redmond De Lacy, Newtownsands; Eric Thos. Ryan, Dublin; Wm. Hooey, Bailieboro'; Martin Joseph Treacy, Belclare, Galway. Fifteen candidates were rejected.

REGISTERED DRUGGIST EXAMINATION.—The following passed: Wm. Herbert Harman, Carrick-on-Shannon; John Madden, Skibbereen; Michael Leo McCormick, Mullingar. Three candidates were rejected.

PHARMACEUTICAL LICENCE EXAMINATION.—Alexander Taylor McKay, Dublin; Wm. Frederick Pedlow, Portadown; Daniel Kevin O'Connell, Listowel; and Denis Corcoran, Thurles; passed with honours. The following also passed: Charles Louis Reilly, Dublin; Mary Constance Lancashire, Ballymena; John Michael O'Connell, Listowel; Patrick Kennedy Ryan, Pallasgrean; Teresa McAdam, Newbliss=John Connick Flood, Dundalk; Walter McFarland, Belfast; John Madden, Skibbereen; James Moore, Kingstown. Nine candidates were rejected.

PHARMACEUTICAL ASSISTANT EXAMINATION.—The following passed: Wm. Patrick Sheil, Tullamore: Thomas Walter Kerr, Dublin; Dorothy Mary Ryan, Dublin; John Christopher Loughnane, Sligo.

Business Changes.

The address of M. Rene Forestean, French agent for Stafford Allen & Sons, Ltd., Cowper Street, Finsbury, London, E.C. 2, is now 7 Rue de Tracy, Paris.

THE TRANS-CONTINENTAL AGENCIES, LTD., proprietors of Dr. Hale's Vin Sanguis Co., have removed to larger premises at 14 Southampton Street, Strand, London, W.C. 2.

MR. W. G. WELLS, chemist and druggist, has removed the business (formerly known as Fardon's), hitherto carried on at 41 Stone Street, Maidstone, to more convenient premises at 36 Stone Street.

STOLL, EARL & CO., LTD., Clive Buildings, Calcutta, intimate that they have acquired the goodwill of the firm of Jean Lincé, 5 Pollock Street, Calcutta, and the business in future will be continued in their name.

MR. CORNELIUS BAYLEY, chemist and druggist, 26 and 27 Electric Parade, Clacton-on-Sea, has been joined in partnership by Mr. W. R. Gardiner, chemist and druggist. The business will be carried on under the style of Bayley & Gardiner.

DANYSZ VIRUS, LTD., 325 Borough High Street, London, S.E. 1, have, with the consent of the Board of Trade, changed the name of the company to the Haller Laboratories, Ltd., under which name the business will be carried on in future.

MR. F. W. TRUMAN, chemist and druggist (trading as Poingdestre & Truman), has disposed of the lease of his pharmacy at 3 Bucklersbury, London, E.C. 4, and is closing the establishment. An interesting link with the past is thus severed, the business having been removed to Bucklersbury about twenty years ago from 7 Poultry, E.C., where it had been established since the Fire of London. Its proprietors from 1850 to 1894 were Corbyn, Stacey & Co., and from that year to 1913 Mr. A. W. Waring was the owner.

rices and Supply of Quinine.

ndings by the Board of Trade on consideration of a Report by a Committee appointed under the Profiteering Act to investigate the position of Prices and Supply of Quinine Sulphate.

SOURCES OF SUPPLY OF CINCHONA AND QUININE.

1. At the present time the supply of quinine sulphate is actically a Dutch monopoly owing to the fact that almost whole of the world's supplies of cinchona bark is drawn m Dutch and Anglo-Dutch plantations in Java; the itch owners are some 120 in number, and the British six— former furnishing ten-elevenths and the latter one-eventh of the total Java production; Messrs. Howards & ns, Ltd., of Ilford, are the only British users of the bark. though the cinchona tree was originally of Central and uth American origin, the Java planters have so successlly developed its cultivation as to be able to furnish 90 per nt. of the world's supply of bark of the quality requisite the production of quinine, the remaining 10 per cent. ing produced in Government plantations in British India. e Indian Government have recently taken steps with a ew to extending their cinchona plantations, but those ntations are not yet in a position to supply the needs even India itself, and India is at the present time forced obtain certain additional supplies of Javan origin. Bark own in South America is inferior in quality, and if not that reason unsuitable for the purpose, it would not be ailable in sufficient quantity to supply the shortage. Even the Indian Government took steps to increase the acreage cinchona plantations, it would be from five to seven ars before cinchona bark from that source would be availle, and in the meantime if Dutch supplies ceased to rive the United Kingdom would presumably have to rely on the stocks already in this country, but feebly supplented from elsewhere, and the position might become ious both to home and export trade. At the present e, therefore, the price of cinchona bark and quinine sulate can be dictated by the Dutch by reason of their tual monopoly of the world's supply.

THE KINA BUREAU.

2. Before the war the prices of quinine sulphate were subt to considerable fluctuations, and particularly at the ginning of the present century there was a period of eged over-production, which resulted in quinine having be placed on the market at a price which yielded very tle remuneration for the planter, manufacturer, or any er person concerned, and sometimes resulted in a loss the planters. At this period quinine sulphate was sold the British market at 7*d.* an oz., and shortly before the r the price was about 1*s.* per oz. In view of this position, d in order to secure the industry and to stabilise prices, combination of manufacturers was first formed, followed a similar combination of planters, both bodies finally trusting their interests to an organisation known as the na Bureau, with headquarters at Amsterdam. This reau consisted of three representatives of the planters, ree of the quinine manufacturers, and an outside chairn. At one time German interests were paramount in the na Bureau, but during the war control has passed into e hands of the Dutch. On several occasions efforts have en made to obtain a British representative on the Kina reau, but without success.

THE QUESTION OF SUPPLIES OF QUININE DURING THE WAR.

3. At the outbreak of war the question of the supply of inine sulphate became a matter for the serious considera-n of the British military authorities, and in December, 16, arrangements were made under which the whole of the tput of Messrs. Howards & Sons, Ltd., of Ilford (virally the only British manufacturers), was put at the dissal of the War Office Contracts Department. In April, 17, it was necessary for the British Government to go rther, and an Army Council Order was signed authorising e War Office Contracts Department to take possession of stocks of quinine sulphate in this country, and eventually out 2,000,000 oz. were requisitioned by the Department. xports from the United Kingdom were more stringently rtailed, and fresh arrivals of quinine and cinchona bark m Java were requisitioned by the military authorities, sufficient allowance being released to meet the needs of ade.

HE AGREEMENT BETWEEN MESSRS. HOWARDS AND THE BRITISH PLANTERS.

4. Later the question of the dependence of the British mpire upon the Dutch supplies of cinchona bark and quinine again received the serious consideration of the War Office and of the other Departments concerned, and on June 25, 1918, Messrs. Howards & Sons, Ltd., of Ilford, with the assistance of the War Office, were successful in making an agreement with six British-owned plantations in Java, under which they obtained practically the whole of the output of these plantations for a period of ten years, thus securing an adequate supply of quinine for the home needs of the United Kingdom, with a considerable margin for export. The British planters in Java by the terms of this agreement are assured that the price which they will receive from Messrs. Howards & Sons for their cinchona bark will not be less than the price which they would have received for such bark had they renewed an agreement which they had had for the previous five years with the Dutch. Indirectly, therefore, any action taken by the Kina Bureau in altering the price of quinine sulphate will automatically affect the price of the bark which Messrs. Howards & Sons, Ltd., receive from the British planters.

THE "WAR CONTRACT."

5. To obtain the output of the non-British plantations, negotiations were entered into with the Dutch manufacturers, and an Inter-Allied Committee was formed on which the United Kingdom, India, France, Italy, and the United States were represented, and this Committee (working through the Association of Quinine Manufacturers in Allied Countries) was eventually successful in arranging an agreement between the various Allied Governments and the Dutch manufacturers, to come into force on September 3, 1918, and to continue until "the end of the war"—the actual date to be determined by the Dutch manufacturers—under which a sufficiency of cinchona bark and quinine was secured for the Allied nations. This agreement was actually terminated by the Dutch manufacturers on September 1, 1919. Under this agreement the price paid to the Dutch manufacturers for their quinine, including packing, worked out at 38 guilders per kilo., payable in Java, which is at present equivalent to 1*s.* 8*d.* per oz. in Java.

FORMATION OF THE BRITISH QUININE CORPORATION.

6. In view of the fact that this latter arrangement was only a war agreement, with the signature of the Armistice it became necessary that further steps should be taken with a view to ensuring adequate supplies of quinine for this country, and in February 1919 a conference was arranged by the Director of Army Contracts, at which representatives of the Government Departments concerned and of the trade were present. A suggestion was made that the trade should, if possible, unite to form a central body which should make arrangements with the Dutch Kina Bureau for supplies for the whole of the United Kingdom, and as a result of this suggestion the British Quinine Corporation (consisting of fourteen leading firms) was formed. In the agreement forming the British Quinine Corporation it is declared that the object for which the Corporation was established was to effect the co-operative purchase of quinine from the Dutch Combine, and the fourteen following well-known firms constitute the Corporation, *viz.*:

Messrs. Allen & Hanburys, Ltd.
,, Dakin Bros., Ltd.
,, Geo. Curling Wyman & Co., Ltd.
,, Evans Sons Lescher & Webb, Ltd.
,, The British Drug Houses, Ltd.
,, May & Baker, Ltd.
,, Parke, Davis & Co.
,, Whiffen & Sons, Ltd.
,, Howards & Sons, Ltd.
,, Baiss Bros. & Co., Ltd.
,, Boots Pure Drug Co., Ltd.
,, Burgoyne, Burbidges & Co., Ltd.
,, The Standard Tablet Co., Ltd.
,, Burroughs Wellcome & Co.

A contract (dated May 29, 1919) was made between the Corporation and the Dutch and Java manufacturers, to come into force on the day after the date of the termination of the "War Contract"—*i.e.*, September 2, 1919.

THE BRITISH QUININE CORPORATION'S AGREEMENT WITH THE DUTCH MANUFACTURERS.

7. This agreement contains the following important clause (Clause No. 13):

"No member of the British Corporation shall at any time during the continuance of this agreement sell or otherwise dispose of any quinine sulphate or any bisulphate or hydrochlorate whatever at a price less than the official price fixed by the Kina Bureau at Amsterdam. . . ."

When buying from the Dutch under this agreement, however, the members of the Corporation are entitled to a discount of 7½ per cent. off the price fixed by the bureau.

EFFECT OF AGREEMENTS.

8. The two agreements which have been referred to—namely, Messrs. Howards' agreement with the British planters and the British Quinine Corporation's agreement with the Dutch manufacturers—place the Kina Bureau in a position to control prices on the British market, because—

(1) Under Messrs. Howards' agreement with the planters the British firm are bound to pay the same price for bark as is paid to the Dutch planters pursuant to the decision of the Kina Bureau; and

(2) The British Quinine Corporation have bound themselves not to sell quinine in this country under the Kina Bureau's minimum price.

THE GOVERNMENT PRICE.

9. The War Office having taken control of all the quinine coming to the United Kingdom had, of course, to release portions for civilian requirements. After due consideration the following scale was fixed by the War Office Contracts Department for all sales of quinine sulphate in this country and incorporated in the Quinine (Dealings) Order, 1918:

A.

	s.	d.	
Quantities of 10,000 oz. and upwards	2	11	per oz.
,, 1,000 oz. to 10,000 oz.	3	0	,,
,, 100 oz. to 1,000 oz.	3	2½	,,

Cases and containers included in the above prices (Group A) carriage extra.

B.

	s.	d.	
Quantities of 25 oz. in one container	3	3½	per oz.
,, 100 oz. in 4-oz. bottles	3	5	,,
,, 100 oz. in 1-oz. bottles	3	7½	,,
,, 4 oz. in one container	3	7½	,,
,, 1 oz. in one container	3	9	,,

Cases, containers, and carriage extra in Group B.

The basic price of 2*s.* 11*d.* per oz. in this scale was arrived at after taking into consideration not only the price paid for sulphate bought under the War Contract, but all the previous transactions in quinine carried out by the War Office. The remaining prices in the scale were fixed in agreement with representatives of the wholesale and retail chemists.

It was considered that the latter prices would yield a satisfactory margin of profit to traders, and up to the end of August of this year no complaint was received by the Department that the prices were inadequate.

Indeed, it is interesting to note that in March last the Dutch manufacturers themselves expressed the opinion that the British controlled price of 2*s.* 11*d.* was too high, in view of the fact that under the "War Contract" the Government were purchasing quinine from them at a price of only 2*s.* per oz., less 5 per cent., c.i.f. London.

From the spring of 1919 onwards the British Quinine Corporation have urged that quinine should be free from control, and it was confidently asserted by Mr. Abrahamson, managing director of the Corporation, that with the removal of control the price would fall.

THE NEW PRICE.

10. At the expiry, however, of the "War Contract" with the Dutch Combine of Manufacturers on September 1, 1919, the Kina Bureau immediately notified the members of the British Quinine Corporation that they had fixed a new minimum price of quinine of 3*s.* 5*d.* per oz. (for quantities of not less than 25 kilos.)—an immediate increase of at least 6*d.* on the basic price. Incidentally it may be pointed out that there is no provision in the agreement which would ensure that even this enhanced price may not at some future date be still further raised by the Kina Bureau.

No satisfactory information is available as to the actual cost price of quinine sulphate in Java, but it seems improbable that this can be more than 1*s.* 8*d.* per oz. To this must be added insurance and freight (say 2*d.*), making the total cost in this country 1*s.* 10*d.* per oz. including manufacturers' profit.

The effect so far as the planters are concerned of the increased price of 3*s.* 5*d.* would be that they would receive as their share about 14 to 15 guilder cents as a unit price, whereas it has been stated that a price of 5 cents would just pay, but carry no inducement to continue in so risky a business as planting. During the war the planters received, and apparently were content with, 8 to 10½ cents per unit.

EX-GOVERNMENT STOCK OF QUININE.

11. With the intention of winding up their quinine control, the War Office Contracts Department sold on August 26 last to the British Quinine Corporation 840,000 oz. (80 per cent. of the surplus War Office stock) of quinine at 2*s.* 11*d.* per oz. Before this sale was actually made the Departme were assured by Mr. Abrahamson, the managing direct of the British Quinine Corporation, that the price of quini sulphate in this country would, on the removal of Gover ment control, almost certainly fall. This opinion was co fidently expressed in a letter from Mr. Abrahamson to t Department on June 24 in the following terms:

"My own anticipation, to which I have given utteran on many occasions, is that the moment control is remov the price will drop to about 2*s.* 3*d.* for sulphate."

A week later the same opinion was expressed in an artic in the Official Bulletin of the Association of Quinine Man facturers in Allied Countries over initials which are tho of Mr. Abrahamson, from which the following extract taken:

"The Kina Bureau in Amsterdam, which consists, is known, of three planting and three manufacturi members and an independent chairman, fixes the price quinine, and it may be taken as fairly definite that th price will vary for the next year or so between 35 ar 45 guilders per kilogramme *ex* factory, which is equivale to 2*s.* to 2*s.* 6*d.* per oz. on the London market. Th price will be maintained as long as speculators do not g into the market. The writer is fully aware of Dut policy in this regard, and, therefore, has no hesitation making this prediction.

"It behoves holders of stocks and buyers in this count therefore to carefully consider their position from t point of view of the future. The present Governme controlled price is possibly 25 per cent. above what t price will be when control is removed. On the other han it is just possible that manufacturers will take the Gover ment controlled price as their basis. This, though possibl is, however, unlikely, as the present Government pri was based on an exchange rate on Amsterdam of approx mately 9.30 guilders to the £. The present rate is pra tically par—actually 11.87.—H. S. A."

But in a letter to the Department on August 30—only few days before the raising of the price, and also withi a few days after the completion of the purchase of t surplus stock—he expressed himself as follows:

"I am now in a position to inform you that there every possibility of a slight rise in price."

The Kina Bureau price was raised as from September and in the closing days of August the Corporation request the Government to accept immediate payment for the who of the quinine—no less a sum than 125,000*l.*—although was impossible that speedy delivery could take place.

The effect of the increase in price to 3*s.* 5*d.* per oz. fro 2*s.* 11*d.* per oz., at which price the purchase from the Wa Office Contracts Department had been effected, was to i crease the value of the quinine purchased by the Corporatio by 21,000*l.*

Two days after the sale was completed, *viz.*, o August 28, 1919, Mr. Woolcock, the chairman of the Co poration (who has no financial interest in it beyond the fac that, as chairman, he receives an annual fee of 100 guineas and Mr. Abrahamson attended at the Department to reque the removal of Government control of quinine sulphat Mr. Woolcock had not taken any part in the purchase fro the Government or in the negotiations which led up to th purchase.

SURVIVALS.—Lecturing recently on "The Folklore London," Mr. Edward Lovett, of the Imperial Wa Museum, said that it was a common practice among t poorer women and children to wear blue beads as a pr ventive against bronchitis. They were never remove from the neck, not even at death. The poor people London, in burying their dead without removing the bead were doing what had been done for 7,000 years. Ninet per cent. of the beads were blue. In some localities the were yellow, and in one or two cases white. On on occasion in the East End a woman asked him if he coul do anything to cure her child who was suffering fro whooping-cough. He mentioned the old superstition tha a lock of a suffering child's hair placed between two piec of bread-and-butter and given to a dog would cure th child. Some time later he saw the woman again, an she thanked him for curing her baby. In many Londo houses horseshoes, covered with red cloth, were hun over the beds to keep the occupants from suffering fro nightmare. Writing to "The Daily Mail" on this sul ject, Mr. R. S. Angus, chemist and druggist, Lancaste remarks that dragon's blood, for which there was a gre demand twenty years ago, has again come into vogue.

Festivities.

Boots, Ltd., Birmingham, Social Club.

ON January 14, at the invitation of Mr. and Mrs. Whittock, the Boots, Ltd., local social club was entertained at the Café, Colmore Row, where a happy evening was spent. Musical items, competitions of a novel character, and a daintily served supper were among the features of a capital programme.

Drug Union Social.

A successful social evening was held recently by the London members of the Retail and Public Services Branches of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, for which an enjoyable programme of music and dancing had been arranged by the social committee. Mr. Harry Crawley acted as accompanist.

London College of Pharmacy Social.

THE staff and students of the London College of Pharmacy held a successful dinner and dance at the Abercorn Rooms, Great Eastern Hotel, on January 9. About 125 were present, and the Principal (Mr. Henry Wootton, B.Sc.), who was in the chair, after the loyal toast, proposed "The Social Committee." Mr. G. H. Evans replied. Dancing occupied the rest of the evening.

Swansea Chemists' Whist-drive.

A very successful social gathering and whist-drive was held in the Hôtel Cameron, Swansea, by the Swansea and West Glamorgan Chemists' Association, on January 15. The Vice-President occupied the chair. An excellent musical entertainment preceded the whist-drive. Prize-winners in the whist-drive were: *Ladies*—(1) Mrs. John Rees; (2) Miss R. E. Jones; and "Booby," Miss Elsie Jones. *Gentlemen*—(1) Mr. G. T. David; (2) Mr. John Rees; and "Booby," Mr. H. Ceri Griffiths.

Cuxson, Gerrard's Reunion.

THE employés of Cuxson, Gerrard & Co., Ltd., Oldbury, spent a very happy time on January 17 as the guests of the directors. An excellent tea was served in the canteen, after which the company was entertained to a fine programme of "movies." Later in the evening a revue entitled "Enough—No More," was performed by a company of talented artistes from Kings Norton. The authors and producers (Messrs. E. Marsh Withers, chemist and druggist, and H. F. E. Lynas) both took leading parts.

South of England College Dinner.

THE South of England College of Pharmacy rallied its present students at the Surrey Masonic Rooms, Camberwell New Road, London, on January 14, where Mr. H. Lucas (Principal of the college) presided over a dinner to which between fifty and sixty ladies and gentlemen sat down. The evening was afterwards given over to harmony, interspersed with short speeches. A novel idea in competitions was a contest in speech-making on "Love," and the ladies acted as judges. Great merriment was caused, and eventually the prize was awarded to Mr. Stokes. The musical programme was provided by Misses Davies, Rugg, Weston; Messrs. Stokes, Thompson, Bernstein, White, and Miss Jenkins (accompanist).

Folkestone Chemists' Dinner.

THE Folkestone Chemists' Association held an enjoyable dinner recently at the Central Hotel. A large contingent came from the Dover Association, and among those present were the Mayor (Councillor R. G. Wood, J.P.) and Mr. French (secretary of the Kent County Association of Pharmacists). After a capital meal had been disposed of the loyal toast and others were given. "The Pharmaceutical Society" was proposed by Mr. Stainer, who caused some good-humoured mirth by his references to the sins of the Pharmaceutical Council, and expressed the hope that the members of it would have more regard for the economic side of the profession and strive for the better recognition of their services to the State. Mr. Cuff (a member of the Council) replied. He defended the action of that body during recent critical stages, and urged the members present to strengthen it by loyal and united co-operation, reminding them that the power lay with the rank and file who elected them to the positions they held. The musical section of the programme was an appreciated feature of the evening.

Presentation to Mr. F. Pilkington Sargeant.

ON January 14, at a dinner held by the Leeds Chemists' Association, at which ladies were present for the first time in the history of the Association, the members presented to Mr. F. Pilkington Sargeant (member of the Pharmaceutical Council) a mahogany chiming clock, grandfather type, and a bound illuminated address, in appreciation of twenty-one years' work for pharmacy. The President of the Association (Mr. N. N. Armitage) handed over the gifts, and Mrs. Armitage, on behalf of the ladies, handed to Mrs. Sargeant a handsome silver tray. Mr. W. L. Currie (President of the Pharmaceutical Society) was present. The chairman said Mr. Sargeant was largely responsible for many of the improvements which have been seen in the Council. His work on the Local Associations Executive and on the interviewing boards under the Appointments Department of the Ministry of Labour was noteworthy. Mr. J. H. Beacock, Vice-President of the Association, and one of Mr. Sargeant's oldest associates, spoke in humorous vein of the happy times they have had together. Mr. H. Gilleghan, Vice-President and late secretary of the Association, and secretary of the Pharmaceutical Committee, in speaking of Mrs. Sargeant's sacrifices, said he thought this was a happy moment to hint to the other ladies that they must encourage their husbands to attend Association meetings. (Laughter.) Mr. Currie, who claimed to have been associated with Mr. Sargeant for upwards of thirty years, said, as President of the Pharmaceutical Society, he could testify to the universal esteem in which Mr. Sargeant is held, in Scotland as well as England. The two of them had not always seen eye to eye, but he knew no man on whom he could more safely rely for sound judgment, clear-sightedness, and loyal help. Mr. Sargeant, in response, said he was overwhelmed, but he was never surprised at any kindness bestowed on him by Leeds chemists. He was glad Mrs. Sargeant was included, because she had looked after him, sat up for him, and henpecked him—(laughter)—for nineteen years, and he supposed she would have to do more of it yet. (Laughter.) He was glad also that his son should know that he bore a name which is honoured by chemists. The presentation had revived many old ambitions and energies which must be devoted to the cause of pharmacy.

PANEL DOCTORS' TERMS.—A statement has been issued by the Ministry of Health regarding the increased remuneration for doctors, asked for on January 14 by a deputation to the Ministry from the Insurance Acts Committee of the British Medical Association. In their demands medical practitioners claimed a payment of 13*s*. 6*d*. per insured person with mileage added. The Health Minister (Dr. Addison) offered 11*s*., with a mileage fund of 300,000*l*. added for rural doctors in England and Wales, pointing out that the former rate was 7*s*. 3*d*. per insured person or with temporary bonus 8*s*. 9*d*. Thus the doctors asked for 4*s*. 9*d*. increase, and were offered 2*s*. 3*d*. The doctors refused this offer, but were willing to accept arbitration. This was agreed to, Dr. Addison pledging the Government to recommend Parliament to give effect to the arbitrators' finding. The arbitrators' awards will operate as from April 1, 1920, the Government agreeing to pay in the meantime a capitation fee of 11*s*. as from January 1. The Minister stated that no particular term of years would be specified for the duration of the arrangements, the Government undertaking not to make any alteration except after consultation with the representatives of insurance practitioners and after an adequate period of notice. The Minister also stated that the Government reserved its freedom to institute, at a subsequent date, any inquiry which might be then thought desirable in the light of the award and the cost of its working, into the question whether as good or better a service could be secured with the same or less expenditure of money, under some other system.

Association of British Chemical Manufacturers.

A MEETING was recently held at the offices of the Association of British Chemical Manufacturers, 166 Piccadilly, London, W. 1, at which Mr. W. J. U. Woolcock, M.P., occupied the chair, for the purpose of discussing with Sir Robert Blair, the Chief Education Officer of the London County Council, a scheme for compulsory day continuation schools under the Education Act, 1919.

Sir Robert Blair said that hitherto boys and girls, having left the elementary school, were free to do as they wished; some 20 per cent. would attend evening schools, while 80 per cent. would do nothing with their time, and probably drift into blind-alley jobs. Compulsory education, therefore, appears to be essential if boys and girls are to follow useful occupations. The Education Act requires that after a given day boys and girls who arrive at fourteen years of age shall attend compulsory day continuation schools for eight hours a week for forty weeks in the year. The compulsion applies to boys and girls who reach the age of fourteen after the appointed day—which will probably be some time next autumn—and not to any who were fourteen on, or prior to, that day. The obligation is to apply at first only to boys and girls between fourteen and sixteen, and seven years from the appointed day will apply to those between sixteen and eighteen. In view of the fact that boys and girls may live in one district and work in another, the problem of arranging the hours for attendance at these schools is very difficult, but Sir Robert Blair suggested that two days of four hours each—either morning or afternoon—would be the best solution. The opinion of those present was that this method should be adopted.

There is also an obligation on the part of the employer to allow sufficient time for the boy or girl to reach the school and to be in a fit physical condition to assimilate the lessons. As regards the chemical industry, Sir Robert Blair suggested that it might be advisable to establish a chemical school where the pupils could not only take general education, but also receive tuition in chemistry. It is therefore necessary to ascertain the number of boys and girls of the suitable age engaged in the chemical industry in London, and he asked the meeting to endeavour to supply this information. If such pupils reside in the London area, the obligation rests on the London County Council. If they reside outside this area and work in London, the obligation rests on the authority in whose area the pupil resides. The question of establishing special schools for boys and girls engaged in any particular industry will therefore need careful consideration. Sir Robert put a question as to whether the chemical industry was seasonal—wholly or partly—and the meeting gave the following information:

Tar distillers, pharmaceutical and fine-chemical branch: No season, busy all the year round.

Gas companies: Seasonal, winter the heaviest time.

Fertilisers: Seasonal—autumn, winter, spring, busy; summer, slack.

There are 60,000 children leaving the London elementary schools yearly, and provision will have to be made in these compulsory continuation schools for 240,000 pupils when the Act comes into force. The problem of accommodation and the provision of teachers will therefore give considerable trouble to the responsible authorities.

The next question was that of the curriculum. In many schools this will be of a general character, but where pupils are engaged in specialised trades, instruction in the technicalities of such trades will be introduced. Sir Robert then suggested that where a firm had a sufficient number of boys and girls of the proper age on their staff, the question of providing a school-room on their premises should be considered, and if the firm also had on their staff adults capable of giving the requisite teaching, this would obviate the necessity of boys and girls attending separate compulsory continuation day-schools. He also stated that the "appointed day" would probably be July 31 or October 31, as already indicated in the Ac Boys and girls would not therefore leave on the day the attained the age of fourteen, but at the end of the ter in which they reached that age. This will mean th approximately 15,000 will leave the elementary schools the end of each term. He further stated that it wa most important to consider whether these boys and gir should be exempt from continuation schools by attendin full-time schools. In response to various questions Si Robert said that secondary and central schools would b most suitable for full-time education. Employers appea to have the right to refuse to employ children under th age of sixteen. A private works school would be recog nised by the authorities, provided the curriculum and th number of pupils satisfied the local education authority It was hoped that the appointed day would be the same fo Greater London and for other local authorities.

The chairman referred to the question of the numbe of boys and girls employed in chemical factories in th London area, and the opinion of those present was tha approximately 15 per cent. of the total number of em ployés would be boys and girls between fourteen an eighteen years of age, based on the Home Office figures o 20,000. It was therefore estimated that provision woul have to be made for 3,000 pupils engaged in the chemica industry in the London area. So far as the gas com panies are concerned, it was stated that the number o employés under eighteen was about 10 to 12 per cent.

Referring to the question of the curriculum, Sir Rober Blair made the following statement: "In the first tw years physical education must be taken; one of the specia provisions under the Act is that physical education i necessary. Then for general subjects there would b writing, English, some English literature, history, an geography. That would be for boys from fourteen t sixteen, then later, for boys sixteen to eighteen, mor technical subjects would be taken—mathematics, science— and for boys going into different trades a subject fittin to those trades, such as, rates of exchange for insuranc and banking, and accounts for commercial offices, and so on."

Chemical Society.

AT the meeting of the Chemical Society, held at Burlington House on January 15, Sir James Dobbie in the chair, Dr. R. Lessing read two papers on *The Behaviour of the Constituents of Banded Bituminous Coal on Coking*, and *The Mineral Constituents of Banded Bituminous Coal*. He referred to the recent researches of Dr. Marie Stopes, in connection with whose work the present investigations had been undertaken. Coal is not a homogeneous substance, but consists of layers of fusain, durain, clarain and vitrain. Fusain is a dull black powder, and is also known as mineral charcoal, while clarain has a yellowish colour. Fusain yieds no coke, and on coking these constituents separately in an electric oven characteristic forms were obtained, the mushroom-like excrescence on the vitrain coke being particularly noticeable. These various portions of coal have each a different mineral composition, and an analysis of the ash obtained showed that fusain yields 57 per cent. of CaO. Durain was found to consist chiefly of alumina and silica, while the alkalis predominate in clarain and in vitrain, the latter showing a high content of SO_3. Dr. Lessing advanced as his opinion that the silica content of durain might be ascribed to the *Lycopodia*, from which this portion of coal is probably derived, while the lime in the fusain might be due to infiltration. The remarkably high amount of magnesium oxide —no less than ten per cent.—present in the ash of clarain suggested to him that the chlorophyll from the leaves of the plants might be responsible for this ingredient, chlorophyll being known to contain about four per cent. of magnesia. It is interesting to note that in the clarain portion of coal the structure of leaf tissues is recognisable. The papers were illustrated by numerous interesting slides and specimens.

Associations' Winter Session.

Dublin.—A committee meeting of the Dublin Retail Drug Association was held on January 7, Mr. D. M. Watson (President) in the chair. The following were also present: Messrs. Robt. White, Robt. Mellon, G. A. McLean Lee, Geo. Brown, A. Owen Wells, Dr. A. J. Barnes, Dr. J. A. Walsh, and Mr. R. J. Kidney (secretary). Correspondence was dealt with, and O'Neill & Co. (Carrick-on-Suir) were elected members of the association. Mr. Hubert Sweeny, Londonderry, has resigned, having joined the Ulster Association. The committee regret that, owing to the strike of assistants, it was necessary to suspend the committee meetings, and the present meeting was only held with great difficulty.

Glasgow.—The monthly meeting of the Glasgow and West of Scotland Chemists' Association was held at 65 Hill Street, Garnethill, on January 15, Mr. John Murchie (President) in the chair. There was a large attendance to hear Mr. John Ramsay, Ph.C., on *Rupert Brooke, Soldier and Poet.* Mr. Ramsay gave a short sketch of the poet's life and works, and of his school and college career at Rugby and Cambridge, where he was a distinguished student. A short discussion followed, during which appreciation of Mr. Ramsay's paper was expressed and a few critical comments made by the chairman, Miss McAllister, and Messrs. McKenzie, Lennox, Mackay, Stone, McVitae. On the call of the chairman a vote of thanks was awarded to Mr. Ramsay, and to Mr. Smith, who contributed two songs.

London (N.).—A meeting of the North London Pharmaceutical Association was held on January 13 at St. Paul's Schools, Holloway, Mr. C. W. Andrew in the chair. A paper was to have been given by Mr. Humphrey on the *New Insurance Terms*, but owing to his having another engagement the paper was read by Mr. Skinner. The subject aroused considerable discussion, especially on the certainty, in many cases, of there being an extended service. It was pointed out that the assistants are very unwilling to consider a rota under any shape or form. To them the introduction of another hour is the thin end of the wedge which may land the whole trade back again in the bad old hours of pre-war days. Sharp discussion also took place over the terms, and some caustic criticism was made on the compromise which had been effected. However, after Messrs. Weiss, Jenkin, Skinner, Hearle, Addison, Sandberg, Fouracre, Harrison, and Carter had spoken, it was decided to accept the terms, with the proviso that reconsideration should take place if any attempt is made to force on the chemists a rota or compulsory late service. It was requested that the next meeting should be devoted to the consideration of the trade-union aspect from the employers' point of view.

Manchester.—The monthly meeting of the Manchester Pharmaceutical Association was held at 65 Market Street, Manchester, on January 14, when Mr. J. Cleworth, the well-known pharmacist and photographer, gave a lantern lecture, illustrating scenes and events in Manchester during the war. Before a large and representative gathering of ladies and gentlemen, the lecturer commenced his series of ninety-five lantern slides with a photograph showing a battalion of the 7th Manchester Regiment going to Church Parade in Platt Fields the first Sunday after the outbreak of war in 1914. With a brief description of each slide the lecturer entertained the company with a pictorial record, which forms a unique and permanent account of Manchester's part in the Great War. The President (Mr. A. Hershberg) said the lecturer had given them a great treat, and personally he welcomed the lecture as a distinct change from the eternal Insurance work. Mr. F. W. Bates, J.P., in proposing a vote of thanks to Mr. Cleworth for his lecture, said if Mr. Cleworth ceased to photograph things pharmaceutical it would be a distinct loss to the craft. Mr. J. Grier, M.Sc., in seconding the vote of thanks, jocularly remarked that he supposed the next thing the lecturer would photograph for publicity purposes would be the profiteer and the non-profiteer. Mr. Grier eulogised the splendid work Mr. Cleworth had done in connection with the British Pharmaceutical Conference for a number of years. Mr. Cleworth suitably replied.

Portsmouth.—When Mr. Hugo Wolff attended the monthly meeting of the Portmouth Pharmacists' Association on January 21, as Proprietary Articles Trade Association representative, he sketched his connection with the face values movement and spoke of the negotiations resulting in increased profits. In response to an invitation for questions, the distribution of foods, etc., by maternity and infant-welfare centres was raised. Mr. Atterbury (secretary) considered that the best check upon the competition would be to see that necessitous people only were supplied. Mr. Wolff said he did not think it could be altered, in fact he thought chemists were in for much greater competition in proprietaries before long from other traders outside pharmacy. A vote of sympathy was passed with Mr. G. Hunt, who has been ill.

Sheffield.—At a well-attended meeting of the Sheffield Pharmaceutical and Chemical Society held on January 14, Mr. E. Preston in the chair, Professor W. Palmer Wynne, F.R.S., gave an interesting address on *Industrial Chemistry in Peace and War.* He pointed out that during the period of reconstruction a blend of chemistry and engineering will be necessary. Taking 1856 as his starting-point, Professor Wynne sketched Germany's development in chemistry in the years before the war, producing aniline dyes, photographic chemicals, and artificial drugs. The lecturer was very emphatic in his denunciation of the popular idea in this country that Germany had taken over the manufacturing of dyes, etc., by questionable methods. If Germans had been able to utilise fundamental discoveries in pure science it was to their credit. Discussing Germany's achievements during the war, the lecturer indicated her methods of securing glycerin. It was found that the fermentation of sugar by yeast gave 95 per cent. of alcohol and 2½ per cent. of glycerol. This amount not being sufficient for their explosive requirements, further experiments with the aid of sulphite gave a 30-per-cent. production of glycerol. The lecturer doubted very much whether we should be able to capture German trade. Anyone using the British glass tubing and test-tubes felt we have a long way to go before we can reach the foreign standard. When the Germans came to redouble their efforts for the war they did so with an eye to the future—they enlarged their works. Those of ours under Government supervision were erected remote from civilisation and centres of production, in places such as Gretna, Queensferry, and Avonmouth. The fate of these factories may be seen in the daily papers, where the scrapping of quantities of material is advertised, leaving our facilities practically on a pre-war footing. Professor Wynne finally pressed the need for cheapness, and advocated research as a means to this end. The country which adopts research for gaining power will take the lead in the next hundred years.

Southport.—At the annual general meeting of the Southport Pharmacists' Association, held on January 13, the following officers were re-elected: *President*, Mr. Barton; *Vice-President*, Mr. A. H. Messenger. Other appointments were made as follows: *Hon. Secretary*, Mr. W. H. Smith; *Treasurer*, Mr. R. H. West; *Executive Committee*, the present Pharmaceutical Committee; *Auditors*, Messrs. Kendrew and Rollin. A vote of thanks was accorded to Mr. R. H. West, who had acted as hon. secretary during the past five years. After the business was concluded the meeting resolved itself into a supper party, thirty-four members and friends participating, at the Queen's Hotel. Among the guests were Mr. L. Moreton Parry, Mr. J. H. Robinson (Liverpool), and several representatives of the wholesale trade. After supper a capital musical programme was gone through, which included an excellent rendering of the song "Ipecacuanha" by Mr. C. Chester. Mr. J. H. Robinson entertained the company with a few "Stories." A collection was made on behalf of the Benevolent Fund, resulting in 8*l.* 1*s.* being raised. Mr. L. Moreton Parry thanked the guests, and gave an account of the work of the fund. He also briefly referred to the result of the Insurance Conference.

Trade Report.

42 Cannon Street, E.C. 4, Jan. 22.

THE markets, particularly in Mincing Lane produce, have shown a quieter feeling this week, but a very fair volume of business is in progress, both on home and export account, and prices in the main continue to favour sellers. The raising of the blockade, and the anticipation of resumption of British trading with Russia, or rather the exchange of commodities, has attracted considerable interest in commercial circles, and recalls the fact that Russia was once a large buyer of drugs, gums, and spices. She is badly in want of such produce now, but little progress is likely to be made before the spring, and several months may elapse before it may be possible to obtain Russian drugs, such as ergot, anise, coriander, cantharides, lycopodium, santonin, etc., but the "arrangement," if successful, should make for lower prices, as there must be an accumulation of stocks. The chief alterations in prices of fine and industrial chemicals, include higher prices for amidopyrin, borax, boric acid, creosote carbonate, formaldehyde, citric acid and saltpetre. Vanillin, sulphonal, coumarin, sparteine sulphate, and hydroquinone are cheaper. A good business has been done in tartaric and citric acids, and the United States appears to have placed large orders on this market, which, however, can only be partially filled. Manufacturers in America are evidently getting ready for the so-called "soft" drinks campaign, and it is anticipated that much larger supplies of lemon oil will be consumed this summer. Cream of tartar is still tending higher, and the trouble in Italy is not likely to ease matters. Antimony has had a sharp rise, and crude appears to be unobtainable. In drugs, opium remains firm, with continued buying on the part of Japan in primary markets. Bayberry bark, lobelia, and podophyllum are selling at very high prices. Persian and Chinese galls are dearer, and Sudan acacia gums are higher at the source owing to increased railway rates. Japanese vegetable wax is firmer, and Chinese wood-oil has risen sharply.

Higher	Firmer	Easier	Lower
Amidopyrin	Albumen	Cumin-seed	Belladonna-leaves
Antimony	Copper sulphate	Hydroquinone	Coumarin
Aubepine	Coriander-seed	Pepper	Methyl sulphonal
Borax	Cream of tartar		Sparteine sulphate
Boric acid	Gentian		Sulphonal
Citric acid	Farina		Vanillin
Creosote carb.	Lemon oil		
Formaldehyde	Lime oil (W.I.)		
Galls (Per.)	Tartaric acid		
Guaiacol carb.	Wax, veget. (Jp.)		
Lead compounds			
Saltpetre			
Terpincol			
Theobromine			
Wood oil (Ch.)			

Cablegram.

NEW YORK, January 21.—Business is fair, and a number of advanced prices are announced, including phenacetin at $2.75, phenazone (antipyrin) at $6.50, formaldehyde at 48c. per lb., hexamine at $1.65, menthol at $13.75, peppermint oil in tins at $8.25, Cartagena ipecacuanha at $3.50, senega at $2.50, balsam Peru at $5.25, Canada balsam at $14.75 per American gallon, mandrake (podophyllum) root at 38c., and buckthorn-bark at 85c. per lb. Milk-sugar is cheaper at 27c. per lb.

AGAR-AGAR is easier, No. 1 Kobe strip selling at 3*s*. 1½*d*. per lb. on the spot, and No. 2 Yokohama is 3*s*.

ALBUMEN is slightly firmer, with sales at 5*s*. 5½*d*. to 5*s*. 7*d*. per lb. on the spot for prime Chinese egg, and sellers of January-February shipment quote 5*s*. 7*d*. c.i.f.

AMIDOL of British make is offered at 16*s*. per lb.

ANISE.—There is a small quantity of Russian offering at 87*s*. 6*d*. per cwt.

AMIDOPYRIN is scarce and dearer, with limited quantities available at from 66*s*. per lb. upwards.

ANISE OIL, STAR, is quiet, with spot sellers of "Red Ship" brand at from 5*s*. 9*d*. to 5*s*. 10½*d*. per lb., as to quantity.

ANTIMONY.—At the close of last week the leading firm of home refiners, in pursuance of arrangements with other interests and the authorities, notified a further rise of 6*l*. per ton in the official price of English refined, which now ranges from 69*l*. to 72*l*., according to brand. The report that the Government stocks of regulus, which at the close of December amounted to 2,775 tons, had been entirely liquidated is regarded as the main reason for the sharp advance. The greater part of the Government supplies had presumably gone into refiners' or dealers' hands, while consumers are covering their needs much more freely after having been kept extremely short during the war period. A fair amount of new c.i.f. business is being arranged for shipment from China in regulus and in parcels afloat, shippers' offers having been coming through various Eastern merchant firms here. But for the heavy delays incurred in cabling out and getting replies business would be more active. In some quarters it is hinted that the market will advance again substantially, since there is but little stock available either in China or Japan. Chinese crude is inquired for, but sellers are hard to find, and terms are chiefly nominal for shipment at about 58*l*. to 60*l*. c.i.f. home ports for January-March shipment.

ARSENIC.—The trade demand, although comparatively light, is quite sufficient to take care of the very moderate supplies coming on the market, and the tendency is still firmly inclined, while imports appear to be of no special importance. Cornish producers or their agents quote upwards of 68*l*. per ton delivered London for white powder.

ASPIRIN is still in upward tendency, and business has been done in large quantities at 5*s*. 3*d*., with 5*s*. 6*d*. per lb. a more general quotation on the spot.

AUBEPINE is dearer at 42*s*. 6*d*. per lb. on the spot.

BAYBERRY BARK is extremely scarce, with recent spot sales at 4*s*. per lb., but nothing is now obtainable below 4*s*. 6*d*.

BELLADONNA-LEAVES.—English are offered at the lower rate of 2*s*. per lb.

BERGAMOT OIL.—Sellers have retired entirely from the market (says a Sicilian report of January 9), whilst the demand both from exporters and local speculators is not lacking. Very few transactions have, however, taken place during the week, but prices have advanced where business has been done. Holders now give out the price they wish to obtain and then retire from the market until this limit is reached.

BORAX.—An all-round increase of 2*s*. per cwt. has been made in borax and boric acid, spot prices being as follows: *Borax, crystals* (B.P.) 41*s*. per cwt.; *powder*, 42*s*.; *Boric acid, crystals* 74*s*., *powder* 76*s*. The increase in cost is due primarily to the advance in cost of transport. Considerable business is reported by the makers.

BROMIDES continue unchanged at the prices given last week. Very fair arrivals are taking place from various sources.

CAFFEINE.—Makers are reported to be behindhand with their deliveries, and 1*s*. to 2*s*. per lb. premium on the prices has been paid.

CAMPHOR (CRUDE).—Sales of Chinese on the water have been made at 11*s*. 4½*d*. per lb. c.i.f.

CAMPHOR (REFINED) has been quiet, with spot sellers of 2½-lb. slabs at 20*s*. 3*d*. per lb., and January-February at 19*s*. 6*d*. c.i.f.

The exports from Japan during October 1919 amounted to 205,577 kin, valued at 1,033,204 yen. During the ten months ended October 31 they were as follows:

To	1917 Kin	1918 Kin	1919 Kin
British India ...	910,941	333,569	44,577
Great Britain ...	88,812	351,876	106,715
France	66,618	58,025	145,742
United States ...	1,441,984	500,447	367,854
Australia	77,999	94,720	2,026
Other Countries ...	191,500	184,590	63,938
Kin	2,777,854	1,526,337	1,730,852
Yen	4,759,103	3,145,336	6,103,888

CANARY-SEED is nominally steady in the absence of business. Good quality Morocco is quoted 227*s.* 6*d.*, ordinary 25*s.*, and common 200*s.* Turkish is offering at 200*s.* per quarter on the spot.

CARAWAY-SEED is quiet but steady at 51*s.* per cwt. for fair Dutch.

CARBOLIC ACID.—The Government embargo on exports to Japan is still in force. Meanwhile makers' price in large bulk packing is from 1*s.* 2*d.* to 1*s.* 3*d.* per lb. for 39° to 40° C. in crystals for February-March delivery.

CASSIA FISTULA is obtainable from dealers at 180*s.* per cwt. for fair West Indian pod.

CASSIA OIL is steady, with spot sales of 80 to 85 per cent. c.a. at 9*s.* 3*d.* per lb., with 9*s.* 4½*d.* nominally quoted.

CELERY-SEED.—French is offered at 160*s.* per cwt. to arrive.

CHAMOMILES.—Fair Belgian of the 1919 crop can be had at 165*s.* per cwt.

CINCHONA.—At the auction held at Amsterdam on January 21, 492 packages (394 bales and 98 cases) Java Succirubra were offered, weighing 21,624 kilos., the total quinine-content being 628 kilos. At the London auction on Tuesday 61 bales and 5 cases East Indian offered, and 50 sold, comprising bright Succirubra stem shavings at from 2*s.* 3*d.* to 3*s.* per lb. for first- and second-class sea-damaged, bold red root at 2*s.* 6½*d.* to 2*s.* 7*d.*, chips at 2*s.* 0½*d.*, bold quill at 3*s.* 2*d.*, and broken at 2*s.* 9*d.* Of Java, 244 bales offered, and 145 sold, comprising Ledgeriana stem at 1*s.* 11¾*d.*, dusty Succirubra chips, 1*s.* 7*d.* to 1*s.* 9⅛*d.*, and root, 1*s.* 10¼*d.* to 2*s.* 4⅛*d.* per lb.

CITRIC ACID.—With large American orders on the market, which can only be partially filled, a good business has been done, ton lots having been sold at 4*s.* 3*d.* per lb., and this price has been refused. Makers appear to have withdrawn for the present.

CLOVES.—Zanzibar are quiet and nominally 2*s.* 4½*d.* per lb. on the spot. A small shipment of Penang is on the way.

COCOA-BUTTER is steady, prime English offering at 2*s.* 4*d.* per lb. ex works.

COCA-LEAVES.—At auction at Amsterdam on January 21 1,965 packages Java, weighing 107,761 kilos., offered; of this quantity 1,395 packages, or 76,081 kilos., had been analysed, the total alkaloidal content being 886 kilos. The average percentage of the analysed portion is 1.16.

COPPER SULPHATE.—There has been decidedly more interest since it is understood that old stocks in Government or manufacturers' hands have been cleared, which has thus made way for a renewal of operations on a more normal basis. Considerable shipments are said to have been made this month to various European countries, and also Algeria, and as we suggested recently, general merchant business for export is waking up. Prices, of course, have responded more appreciably, sales f.o.b. Liverpool having been reported at around 48*l.* per ton for casks, less 5 per cent. It is reported that makers in Italy find some difficulty in carrying on operations, chiefly owing to fuel scarcity, and therefore requirements in that country, as well as in Spain, will probably have to be supplemented by imports from this side. The home output for the past year was, of course, kept down chiefly under the large accumulations that were in existence. Makers have now to pay a good deal more for their favourite brands of bar copper than a year ago, and their terms have obviously been adjusted accordingly, while labour is much dearer.

CORIANDER-SEED has been sold at 19*s.* 6*d.* per cwt. for fair Morocco, and 20*s.* is now asked. At auction 300 bags Bombay sold at 13*s.* to 14*s.* for bold husky and small brown Calcutta at 7*s.* 6*d.* to 9*s.* 6*d.*

COUMARIN is rather cheaper, importers offering at 12*s.* 6*d.* per lb. on the spot.

CREAM OF TARTAR.—Small supplies of French have come to hand, but insufficient for requirements, and the market is very firm at from 285*s.* to 290*s.* for 98 to 99 per cent. powdered. Dealers freely predict the price will go to 300*s.*

CREOSOTE CARBONATE is from 2*s.* to 3*s.* per lb. higher at from 35*s.* to 36*s.* per lb. on the spot. Creosote ex beechwood B.P. is offered at from 9*s.* to 9*s.* 6*d.* per lb.

CUMIN-SEED.—Holders are not so firm, and are now willing to listen to bids of 45*s.* to 46*s.* per cwt. for good sifted Morocco.

DILL-SEED is unchanged at 17*s.* per cwt.

EGG-PRODUCTS are firmer, Chinese liquid hen-yolk (2-per-cent. boric acid) selling at 150*s.* per cwt., and afloat at 147*s.* 6*d.* Dried yolk on the spot is 1*s.* 10½*d.* to 1*s.* 11*d.*, and spray whole egg 3*s.* Dried native whole egg is 2*s.* 3*d.* per lb., and liquid whole egg is 147*s.* 6*d.* per cwt.

ERGOT.—A limited quantity of Spanish is available on the spot at 27*s.* 6*d.* per lb. The prospects of eventually obtaining supplies from Russia are now much brighter in view of the raising of the blockade.

FARINA has shown a firmer tendency, with spot sales of No. 1 Japanese at from 39*s.* 6*d.* to 40*s.* to 39*s.*, and sellers of January-March shipment at 38*s.* 6*d.* c.i.f. Sweet-potato flour has been sold at 33*s.* 6*d.* to 34*s.* on the spot, and January-March shipment is unaltered at 32*s.* c.i.f.

FENNEL-SEED is quiet at 35*s.* to 37*s.* 6*d.* per cwt., according to quality.

FENUGREEK-SEED.—Further sales have been made at 16*s.* per cwt. for fair Morocco.

FORMALDEHYDE is still very scarce on the spot, and those in urgent want are compelled to pay what the dealers like to ask, up to 250*s.* per cwt. being quoted. The price in U.S.A. is still advancing, with 48c. per lb. quoted by cable, there having been a further sharp advance in methyl alcohol.

GALLS.—Dearer. A good business has been done in Persian blue on the spot at up to 160*s.* per cwt. Chinese have also been sold up to 190*s.* per cwt. on the spot, which is below the price asked for shipment.

GENTIAN is firmer, holders asking 60*s.* per cwt. for fair.

GINGER.—A very fair export in Jamaica ginger continues for American account, and prices are firmer, 90*s.* being asked for small dark wormy, with little sound of this description obtainable below 100*s.*; better qualities range from 110*s.* to 120*s.* per cwt.

GUAIACOL CARBONATE is scarce and dearer, spot sales having been made at from 32*s.* 6*d.* to 35*s.* per lb.

GUM ACACIA.—Increased railway rates in Egypt have led to an advance in that market, and the price there is above the London parity. There is a steady spot demand, the value of f.a.q. Sudan sorts being 67*s.* 6*d.* to 70*s.* per cwt., and cleaned 75*s.* Soft white range from 115*s.* to 130*s.*

HONEY continues to meet with a fair demand, with sales of Jamaica at the advance notified in auction last week. Second-hand sellers of Californian ask 100*s.* for creamy set grainy.

HYDROQUINONE is rather easier, importers offering at 13*s.* to 13*s.* 6*d.* per lb. on the spot and at 11*s.* 6*d.* per lb. afloat.

INSECT FLOWERS.—Spot stocks appear to be exhausted, and extremely high prices are asked for single bales. Insect powder of fair quality can be had at from 2*s.* 3*d.* to 2*s.* 6*d.* per lb.

IPECACUANHA.—With a growing scarcity of good Matto-Grosso prices still show an advancing tendency, and last week's auction rates cannot be repeated.

LEAD COMPOUNDS.—There is no giving way in prices. Quotations were late last week again advanced by 10*s.* for ground white lead to 68*l.* 15*s.* and by 25*s.* per ton for white lead in oil to 80*l.* f.o.b. for export. The position of the latter is more particularly firm in view of the very high figure demanded for linseed oil. The price of pig lead, moreover, is kept at an inflated level under constant manipulation based on the theory of a serious shortage later in the year. Consumers of the metal and also the various compounds should certainly adhere to a policy of covering their needs from hand to mouth at present costs. For one thing, there is a very big margin of profit in turning out lead at the current price. Stocks in the country are still large, but nursed by powerful interests.

LEMON OIL.—Consequent on the news from Sicily the cheaper sellers of last week have either disposed of their parcels or have withdrawn, most holders asking 8*s.* to

8*s*. 6*d*. per lb. on the spot, and to arrive from 9*s*. to 9*s*. 6*d*. c.i.f. is quoted.

A Palermo advice, dated January 9, states that: "The features we advised in our last report have been accentuated during this week. The pressing up to now has been very small, and only a few parcels of new oil have actually come on to the market for sale. On the other hand, local demand, both on the part of exporters to cover 'blank' sales and of speculators who have 'bullish' interests, has been very active, which fact has encouraged holders to raise their pretensions. The market is very strong, with a decided upward tendency."

LIME OIL is firmer, with sales up to 4*s*. 3*d*. per lb. for fair West Indian distilled, and 4*s*. 6*d*. asked. Hand-pressed is slow at 10*s*. per lb.

LOBELIA.—Only very limited quantities are available on the spot, and 7*s*. 6*d*. per lb. has been paid for loose herb.

LYCOPODIUM is offered at 7*s*. 9*d*. per lb. on the spot.

MENTHOL has been quiet and in easier tendency, with sales at 72*s*. 6*d*. per lb. for Kobayashi-Suzuki on the spot, but on Wednesday sales were made at 73*s*., landed terms, for Kobayashi-Suzuki afloat. Our New York cable intimates an advance to $13.75, duty paid, which is somewhat below the London parity.

METHYL SULPHONAL is about 5*s*. per lb. lower, importers offering at from 50*s*. to 52*s*. 6*d*. per lb. on the spot, according to quantity.

MILK-SUGAR.—Spot sales of Dutch and American have been made at from 215*s*. to 220*s*. per cwt. on the spot.

MINT OIL.—Japanese dementholised has been quiet, with spot sellers of Kobayashi-Suzuki at 16*s*. 9*d*. to 16*s*. 10½*d*. per lb., both prices having been paid.

NUX VOMICA is slow of sale, and with moderate spot stocks prices are somewhat nominal at from 42*s*. 6*d*. to 45*s*. for Cochin in quantity.

OPIUM remains firm in sympathy with advices from Turkish markets, where Japan still continues an important buyer. Good druggists' on the spot (London) is worth 20*s*. per lb., and Persian is nominal at 45*s*.

The arrival of 75,000 lb. of opium in New York by steamers from Turkish ports (says the New York "Drug and Chemical Markets") is counterbalanced in a measure by the expansion of the American export trade in morphine and diacetyl morphine. The shipment is valued at more than $550,000, and the Customs charges, at $3 per lb., will yield the Government $225,000 as tariff revenue. With Turkey opium at $6.50 per lb. the present shipment does not rank with one received in the spring, which was valued at more than $1,000,000, but at that date opium was selling at three times the present price. Imports of opium during 1919, according to Government statistics, had totalled over 500,000 lb. for the ten months ended with October. This compares with 135,000 lb. for ten months of 1918, and 108,000 lb. for the corresponding period in 1917. The exports are to all parts of the world, and have been very heavy to Japan, China, and India. South American and Central American countries are absorbing large quantities of diacetyl morphine. The demand for narcotics has also increased in the United States.

PEPPER shows slight fluctuations, *black* Singapore having been sold at from 11*d*. to 11½*d*. per lb. on the spot; January-March shipment at 11⅛*d*. to 11⅜*d*. c.i.f.; and February-April shipment at 11⅛*d*. to 11½*d*. c.i.f. Lampong is 10½*d*. on the spot, and January-March shipment 10¼*d*. c.i.f. Tellicherry is 1*s*. 1½*d*., and Aleppy 11¼*d*. spot. *White* pepper is quiet, the spot value of fair Singapore being 1*s*. 5¼*d*., and January-March shipment 1*s*. 4½*d*. c.i.f. Muntok is 1*s*. 5¾*d*., and January-March shipment has been sold at 1*s*. 5⅜*d*. to 1*s*. 5¼*d*. c.i.f.

PEPPERMINT OIL.—The quotation for American tin oil in New York is now $8.25 per lb., and on the spot (London) from 48*s*. to 50*s*. is quoted.

PHENACETIN is unchanged at from 15*s*. to 15*s*. 6*d*. per lb.

PHENAZONE is scarce, with a firm tendency and more inquiry; sellers quoting 26*s*. per lb.

PHENOLPHTHALEIN is about 1*s*. 6*d*. per lb. cheaper, importers offering at 12*s*. per lb. on the spot and 11*s*. 6*d*. afloat.

PIMENTO has been selling steadily at 6¼*d*. per lb. on the spot.

PODOPHYLLUM-ROOT or mandrake is now 38c. per lb. in New York. For what little is held on the London market 240*s*. per cwt. is asked.

POTASH PERMANGANATE remains firm at from 4*s*. 6*d*. to 5*s*. per lb., with sales at these prices. There is still difficulty in getting adequate supplies for manufacturing purposes.

QUICKSILVER shows some irregularity, but there is difficulty in getting hold of parcels at less than 23*l*. 10*s*. per bottle. Some sellers even ask 23*l*. 15*s*. The arrivals include 7,590 lb. from Italy and 7,614 lb. from Switzerland.

QUININE.—Dutch can be had from second hands at 4*s*. 6*d*. per oz.

RESORCIN remains scarce, spot values ranging from at least 45*s*. up to 50*s*. per lb.

SACCHARIN of British make (550 pure) is quoted at from 130*s*. to 135*s*. per lb., duty paid, as to quantity. American afloat (550 pure) can be had at 20*s*. per lb. in bond.

SAFFRON is in more inquiry, importers asking 85*s*. to 87*s*. 6*d*. per lb. for finest Valencia on the spot.

SALICYLATES are firm, B.P. salicylic-acid powder offering at 3*s*. 3*d*. to 3*s*. 6*d*. per lb., sodium-salicylate powder at 4*s*., and crystals at 4*s*. 3*d*. on the spot.

SALOL is steady at from 6*s*. 6*d*. to 7*s*. per lb.

SALTPETRE.—An advance of 3*s*. per cwt. all round has been made on the prices of British refined quoted in our issue of January 10. Increase is due to the high value of the rupee. Prices are likely to advance still further.

SASSAFRAS OIL.—True American is offered at 11*s*. 6*d*. per lb. on the spot.

SENEGA valued at 1,010*l*. has been imported into London.

SENNA remains firm, sellers asking 9*d*. per lb. for small green, slightly specky Tinnevelly leaf, and 8*d*. for ordinary mixed dark and off-colour.

SHELLAC has been irregular, and was fully 10*s*. lower towards the end of last week, but on Tuesday there was a sharp recovery, and a further advance was established. During the interval spot sales of the usual standard TN Orange quality have been made at from 880*s*. to 875*s*. to 890*s*. per cwt. Cakey AC Garnet is unchanged at 700*s*., and GAL at 680*s*. A few small sales of fine Orange have been made at 970*s*., and pure Button at 950*s*. Futures have fluctuated considerably, the sales since our last report comprising TN for March delivery at from 885*s*. to 865*s*., and May at 870*s*. to 845*s*. to 850*s*.

SPARTEINE SULPHATE, in the present condition of the rate of exchange with France, can be had at 13*s*. per oz., being cheaper on this account.

SULPHONAL is about 5*s*. per lb. cheaper, importers offering at 50*s*. to 51*s*. per lb. on the spot, as to quantity.

TARTARIC ACID has been selling freely at from 3*s*. 5*d*. to 3*s*. 6*d*. per lb. on the spot, with a scarcity of crystals. There are large American inquiries and orders on the market, but supplies are by no means plentiful.

THEOBROMINE.—Pure is quoted at the higher rate of 50*s*. per lb., and the sodium-salicylate can be had at 30*s*. Rather more inquiry is reported this week.

THYMOL is firm on the spot at from 42*s*. 6*d*. to 45*s*. per lb., as to seller.

TURPENTINE continues a highly speculative market, and over 190*s*. per cwt. has been paid for February-March shipment, with more distant positions at a substantial discount, including July-December at 143*s*. Spot closed on Wednesday at 186*s*. 6*d*. for American.

VALERIAN.—Fair Belgian is quoted at 155*s*. per cwt. on the spot.

VANILLIN is lower, with spot sellers at 74*s*. per lb.

WAX, VEGETABLE.—Japanese on the spot has been sold at up to 97*s*. 6*d*. to 96*s*. 6*d*. per cwt., a good business having been done.

WITCH-HAZEL-LEAVES are dull of sale, with good offering in quantity at 7½*d*. to 8*d*. per lb.

WOOD OIL.—Chinese has had a sharp rise recently, finest having sold up to 142*s*. per cwt. owing to a brisk demand, but slightly less has been accepted this week—141*s*. to 140*s*.

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

A Spirit Theft.

SIR,—We notice in THE CHEMIST AND DRUGGIST, January 17, p. 48, the report of a case which came before Tower Bridge Police Court relating to a theft of spirit from our warehouse, and which is referred to in your report as "methylated spirit." This statement is incorrect, the spirit stolen being pure rectified spirit, as stated in the evidence given at the court. We have never used or stocked methylated spirit at any time, and as your report is open to misconstruction we shall be obliged by your publishing this statement in the next issue of your paper.

Yours faithfully,

95A Southwark Street, For Stevenson & Howell, Ltd.,
London, S.E. 1. A. J. CROXFORD, Director.

What the New Dispensing-fees Mean.

SIR,—With reference to the figures regarding dispensing-fees which were published in the *C. & D.*, January 17, pp. 52 and 53, I regret that by an error in the first table the results shown in the second table are unduly inflated. By misplacing a decimal point I have stated the value of the dispensing-fees for fourteen ointments at 2.8*d.* each to be 392*d.*, instead of 39*d.* The total value of fees for 1,000 prescriptions, therefore, should be 1,713*d.*, instead of 2,066*d.*, the average fee being 1.71*d.* In the second table (p. 53) the top line should read throughout 1.71 and 1,710 in each column respectively. In the second line, under the year 1920 the figures should be 0.85 and 850 instead of 1.03 and 1,030, and in the sixth line, opposite "Total of gross fees," the figures should read: 2.81, 2,810; 2.81, 2,810; 3.26, 3.260; 3.71, 3,710; 4.96, 4.960. The average dispensing-fee for 1920, including establishment charges, therefore will be practically 5*d.*, instead of 5½*d.*, as stated in the table. I would also draw attention to the fact that the figure 70 opposite appliances in the table on page 52 should be 71.

Yours faithfully,

INVESTIGATOR. (136/37.)

SIR,—In the article by "Investigator" (*C. & D.*, January 17, p. 52) on "What the new dispensing-fees mean," he gives the number of his compounded mixtures as 675, against uncompounded 100, and states that this is thought to be the average position. In my letter (*C. & D.*, October 4, p. 95) my table, taken from actual scripts for that period, showed compounded mixtures and lotions 404, uncompounded and formulary 374, the two classes being nearly equal; this ratio has since increased, and with the approaching abolition of "Rep. Mist." will doubtless be much larger still. Now let us see what this means. "Investigator's" fees for 1919 were 16*l.* 19*s.* 2*d.* per 1,000 as against mine 14*l.* 14*s.* 9*d.* per 1,000 (I have not deducted pricing-bureau charges), that is to say, he gets an average of 4.07*d.* per script, as against my 3.53*d.*, or he receives ½*d.* more than I do merely on account of his freedom from stock mixtures. It would be interesting to have other chemists' figures on this point, to see which position is the more frequent. In his last paragraph "Investigator" says that we have attained practically all we asked for, but as Mr. John Humphrey points out in the preceding page, it is necessary to bear in mind the extra service of the rota we shall have to provide, and until we know what the hours are to be and what is our position under the coming eight-hour day and regulation of wages, we are quite in the dark as to whether the increase will prove remunerative or not.

Yours faithfully,

SINGULA MILIA. (159/53.)

Proof Spirit Conversion Tables.

SIR,—Referring to the Proof Spirit Conversion Tables published in the *C. & D.*, December 27, the method adopted by my local Customs officer saves any need for elaborate tables. He merely brings the amount to a vulgar or decimal fraction of a gallon and multiplies by the amount over proof, *viz.*:

Suppose 40 fl. oz. of S.V.R. were used

S.V.R. 90% = 58%
1 gallon = 160 oz.
$\frac{40}{160} = \frac{1}{4}$
$\frac{1}{4} \times (100 + 58)$ or 158 =
·25 × 158 = 0·395 proof gallons.

The officials correct to the third place of decimals on each item, but only to the first on the grand total. I also call attention to the following list issued by Evans Sons Lescher & Webb, Ltd., of preparations upon which rebate of duty is not allowed:

Aq. anethi conc. 1-40
,, anisi ,,
,, aurantii ,,
,, carui ,,
,, caryoph. ,,
,, cassia ,,
,, cinnam. ,,
,, fœniculi ,,
,, menth. pip.
,, pimentæ ,,
,, rosæ ,,
,, sambuci ,,
Elixir aromat. B.P.C.
,, anisi
,, aurantii
,, aurantii co. B.P.C.
,, glusidum B.P.C.
Essentia anisi 1-5
,, menth. pip.
,, zingib. fort.
Liq. aurantii pro tinct.
,, cinnamomi
,, cocci B.P.C.
,, ,, pro tinct.
,, limonis
,, ,, pro tinct.
Liq. rosæ dulc.
,, ,, pro syrup.
Spt. anisi
,, cinnamomi
,, lavand.
,, menth. pip.
,, myristic.
,, rosmarin.
,, salix dulc.
Tinct. aurant. 1914
,, ,, 1885
,, cinnam.
,, curcum.
,, cocci
,, cudbear
,, limonis
,, ,, fort.
,, litmus
,, pimentæ
,, quinin.
Succus cucumaris
,, mori
Syrup ribes nig.
,, ,, rub.
,, rub. idæi
,, violæ

Yours truly,

A. THOMAS.

57 Old Town, Clapham, S.W. 4.

[We published the Proof Spirit Conversion Tables to obviate calculations. The following comparison shows the advantage of the tables over method employed by the Excise officer: The first is the example given by Mr. Thomas, the second being a case of odd quantities, which generally predominate:

By Calculation.	*Using the Tables.*
2 pints of 90 per cent. alcohol to proof gallon.	
$\frac{40}{160} = \frac{1}{4}$ 4)1.58 ·395	·394
37 fl. oz. 90 per cent. alcohol to proof gallon.	
$\frac{37}{160} \times 1{\cdot}58$	
1·58	
37	
1106	·197
474	·167
160)58·46(·365	·364
480	
1046	
960	
860	
800	

Czecho-Slovak Customs Tariff.

SIR,—The paragraph in the *C. & D.*, January 3, p. 64, regarding the new Czecho-Slovak Customs tariff does not quite correspond with facts. The depreciation of the currency makes it practically impossible to import surgical instruments. We have to import some goods, such as foodstuffs and raw materials, and have to pay the prices asked for by the Allies and neutrals because they are an absolute necessity for our life and our industry. So far our country has not yet concluded any treaties of commerce. The tariff applied to pharmaceutical products is as follows :

1. Surgical dressings: Cotton wool, gauze, bandages, plasters, court plaster, rubber adhesive plasters, 57 crowns duty, *plus* 200 per cent. extra duty per 100 kilos.
2. Chemicals: Morphine, codeine, caffeine, chloroform, theobromine, etc., 57 crowns duty, *plus* 200 per cent. extra duty.

The chemicals are supplied either by Germany or Austria; English goods have so far proved too dear on account of the exchange rate; 1*l.* is now equal to 225 to 230 crowns, whereas before the war 1*l.* = 24 crowns. For 2*s.* one may get now what one got in 1914 for 1*l.* (24 Czecho-Slovak crowns). In some cases the duty has to be paid in French francs. The exchange rate was fixed by the Government some months ago—1 franc = 3.20 Czecho-Slovak crowns; in reality one French franc is now equal to 5.40 Czecho-Slovak crowns (5 crowns 40 heller). I think these figures speak for themselves.

Yours faithfully,

Saaz. IMPORTER. (155/15.)

Homœopathy.

SIR,—In the *C. & D.*, January 17, p. 76, there appears a short but very succinct and interesting note on homœopathy, which we have read with much pleasure and satisfaction. It is readily manifest that the writer who penned that article not only grasped the great importance of the homœopathic system of medicine, its firm and unshakable *locus standi*, but that his keen eye of perception enabled him to visualise the great progress which it was destined to make in the beneficent cause of relieving suffering humanity. During the years which have intervened since the note first appeared in 1870 the good ship of homœopathy has been manned by medical men, many of whom (now passed away) have been bright ornaments in their profession, such as Drs. Laurie, Sharp, Pope, Dudgeon, Dyce Brown, Compton Burnett, Richard Hughes, Garth Wilkinson, and many more, and it is still in the charge of others at the present time equally capable and eminent in the profession, both in matters of theory and practice. Respecting the pharmacy of homœopathy, so long as it remains, as at present, in the hands of conscientious pharmacists, who will and do devote to the preparation of the medicines all the time and trouble necessary to ensure their utmost medicinal value, all will be well. . . .

Yours faithfully,

LEATH & ROSS.

295 High Road, Brondesbury, N.W. 6.

Are Chemists Bound to Dispense?

SIR,—Replying to "Xrayser II.," I cannot argue "that the conditions under which alone certificates are granted are also conditions under which alone the certificates can be retained," nor that "it is one of these conditions that the holders shall dispense for anybody and everybody." But I do submit that no corporation can give a certificate only under conditions, yet permit a man to retain it without any conditions. And I suggest that under British law no company of persons which has a monopoly of a certain privilege—be it a tram company, a gas company, or a pharmacists' company—is free to give or refuse the use of its services to the community. A man gets a certificate from the Pharmaceutical Society because of his character of fitness to do a certain service to the community. He retains it because of his conduct—his readiness to render such services on appropriate occasions. Surely pharmacy has not the shadow of a right to consider itself a profession if the Pharmaceutical Society is impotent to regulate the conduct of its members? All the old trade guilds carefully noted this distinction—the apprenticeship and certification only showed that a neophyte was fit to be a worthy brother of the guild—his subsequent conduct as such was severely scrutinised and regulated, and he was expelled if unworthy. I am very sorry if Messrs. Ferris, Kerr, and Weir do not agree with me that some rectitude of conduct ought to be exacted of those who call themselves pharmacists and claim a monopoly of pharmacy in Ireland. There is a practical difficulty about supplying anybody or everybody, or at any time, but it is not insurpassable. I take it that the doctor should certify that the medicine was urgent, and that a reasonable fee be offered to the pharmacist before he could be compelled to compound.

Yours truly,

Dublin. J. C. MCWALTER.

Mr. J. J. Connolly, Ph.C., Westport, in the course of a letter on this subject, writes: "It is sufficiently annoying to Irish chemists to contemplate the inroads already made on their 'monopoly of compounding' by the competition of 'prescribing and dispensing' doctors, without having to listen to a medical man who practises in the dual capacity of prescriber and dispenser dictating to us on the ethics of pharmacy."

Testing Insurance Dispensing.

SIR,—Chemists in other districts will be interested to know how Insurance dispensing has been sampled in Lancashire. The procedure was as follows: The Medical Officer of Health, with the analyst, wrote a set of prescriptions, handed them to the clerk to the Insurance Committee, and he asked doctors (five or six) from different localities to order them. These were brought in by a boy, saying he would call later on. The boy returns, and when told the medicine is ready walks out and informs the inspector, who then comes in. The inspector divides the sample in the usual manner, after paying for the medicine. Then he hands over the copy, requesting the chemist to stamp it. He keeps the copy and initials the original, which he hands back to the chemist. In about ten days postcards were sent out by the analyst that the samples need no longer be kept (this is done at the request of the Pharmaceutical Committee), while in two cases, perhaps more, the Medical Officer wrote that the medicine was deficient by so much per cent., and warning the chemist that prosecution would follow if deficient on another occasion.

Yours truly,

LANCASHIRE. (158/38.)

Profiteering Act Problems.

SIR,—The attention of pharmacists should be drawn to the decision of the Board of Trade as to the basis of profit allowed under the Profiteering Act. In the report of the Fellows' Syrup case (*C. & D.*, January 10, p. 53) a letter was read in which the Board of Trade stated that "if a trader sells at current market price, notwithstanding such price is higher than originally paid for the article, he is not profiteering," and the magistrate added "That is common sense." I should have thought so too, but there were many tribunals who apparently had no common sense, and the retailer was mulcted accordingly. Since then I have read of a case in the daily Press, in which a charge against Messrs. Libertys was dismissed, the article sold being silks which had risen in price since they were bought, and it seems as though the letter had been circulated to the local Committees (see the account of the Sheffield deputation, *C. & D.*, January 17, p. 50). This should once and for all settle the question of producing old invoices and put an end to the anomalous cases in which one chemist is exonerated and another prosecuted for the same charge on the same article, and if the retailer will base his prices on the monthly lists he has nothing to worry about.

Yours faithfully,

SUBURBAN CHEMIST. (159/2.)

Dispensing Difficulties and Notes.

Alkaline Strychnine Mixture.

SIR,—Is it correct to dispense the following prescription as written?

Liq. strych. hydrochlor. ...	♏iij.
Ammon. carb.	gr. iv.
Sodii bicarb.	gr. x.
Pulv. rhei rad.	gr. viij.
Mag. carb. pond.	gr. xv.
Pot. bicarb.	gr. xxx.
Aq. menth. pip. ad.	℥ss.

Mitte ℥viij. Signe : ℥ss t.d.s.a.c.

What I should like to know is whether the strychnine will be precipitated and will be dangerous; also if it is advisable to employ the equivalent dose of tr. nuc. vom. in place of the liq. strychnin. Faithfully yours,

IRELAND. (111/63.)

[This is a type of mixture not infrequently prescribed in some districts, and may be compounded without any anxiety. Even if there be precipitation of strychnine alkaloid the mixture is one which so obviously requires to be shaken that there is no fear of more than the dose intended being taken. There is no necessity to substitute an equivalent of tincture of nux vomica for the solution of strychnine hydrochloride. The "Art of Dispensing" contains some interesting information in regard to mixtures containing solution of strychnine and alkalis. Even when the alkaloid is liberated from its salt by an alkali there may be enough liquid in a mixture to retain the alkaloid in solution and there is no danger; when a mixture is so concentrated that the liberated alkaloid will not be retained in solution it is well to provide against possible overdosage by affixing a shake label to the bottle.]

A Cloudy Mixture.

SIR,—The following prescription has been made up cloudy at one chemist's and clear at another establishment. Which is correct? Yours truly,

F. N. (100/39.)

Tr. sumbul	♏xv.
Tr. lupuli	♏xx.
Liq. arsenicalis	♏iij.
Sodii brom.	gr. xv.
Syr. glyceroph. co.,	
Syr. tolu ... ... aa.	ʒss.
Aq. chlorof. ad	℥ss.

Mitte ℥xij. Signe : ℥ss. t.d.s.p.c.

[This mixture when compounded according to the prescription must be cloudy. Both tincture of sumbul and tincture of hops contain matter of a resinous character extracted by the spirituous menstruum, and when added to water produce a cloudy mixture owing to the resinous constituents being thrown out of solution. Owing to the considerable quantity of the combined tinctures prescribed in this instance the mixture possesses a very distinct opacity.]

Colour of Ointment.

SIR,—I had a prescription to dispense containing :

Ol. cadini	ʒj.
Vaselin. ad	℥iv.

which was dark brown in colour when made up. My customer said when dispensed in another town the ointment was black, but smelt the same as the sample made up by me. I should be much obliged if you will tell me which is correct. Yours truly,

H. B. H. (260/9.)

[The Pharmacopœia describes oil of cade as "dark reddish brown or nearly black." Even if it were quite black, the small proportion, 1 in 33, ordered in the prescription would not produce a black ointment. When the ointment is compounded with an oil of cade in conformity with the Pharmacopœial description it is brown in colour —scarcely dark brown.]

Legal Queries.

E. H. B. (152/70).—It would be better to wait until the Shop (Forty-eight Hours) Bill becomes law. It may be thrown out yet.

T. G. (155/6).—The title "Drug Stores" is one that can be used by anyone, whether a registered chemist or unqualified shopkeeper.

Wulfruna. (182/54).—(1) If you trade under your father's name you will require to register under the Business Names Act, 1916. (2) A wholesale dealer in poisons is only required to place on the packages the name of the article and the word "Poison."

J. E. G. (151/57).—The new by-law of the Pharmaceutical Society admitting persons to the Register of Chemists and Druggists without examination only applies to apothecaries' assistants who passed the examination of the Society of Apothecaries before or during 1908.

Raison (155/38) sends particulars of his income as under, and asks whether he is not entitled to deduct from the income on which he is chargeable to income-tax the two amounts which he pays as interest on the loan and the ground-rent, so as to bring his income under 700*l.*, and thus get an abatement on 100*l.* :

Earned income	£500
Unearned income	230
Annual value of house owned and occupied	25
Gross income	£755

Interest paid on money borrowed and used in the business, 150*l.*; ground-rent paid on the house owned and occupied, 5*l.* ["Raison" is not entitled to deduct from his total income the interest he pays on the loan. The income-tax law makes no distinction between a trader who uses his own capital and a trader who borrows the money he requires for his business. The ground-rent, 5*l.*, may be deducted, so that the assessable income becomes 750*l.* And where anyone resides on premises on which his business is carried on, he is allowed to deduct the proportion of the rent which corresponds to the portion used for the business, but this deduction is not to exceed two-thirds of the whole rent.]

Dexter (150/59) asks whether he is liable to excess profits duty for the year 1919, and if so for what amount on the following figures : His profits for 1912 were 320*l.*; 1913, 330*l.*; 1914, 310*l.*; 1915, 375*l.*; 1916, 440*l.*; 1917, 470*l.*; 1918, 470*l.*; 1919, 570*l.* He also refers to the statement in the *C. & D. Diary* as to the special allowance granted to small traders since December 1916, and asks what this is, and what is an accounting period; and he wishes to know what is usually allowed for depreciation in a chemist's business. [On these figures, and taking the pre-war standard to be the average of the years 1912 and 1913, no excess profits duty is payable for this year by "Dexter." The special allowance referred to was granted by the Finance Act, 1917, to take effect from December 31, 1916, and is still in force. If the pre-war standard of profits in a business does not exceed 500*l.*, and the profits for the year of the tax are less than 2,000*l.*, a small trader's additional allowance of one-fifth of the difference between the profits made in the tax year and 2,000*l.* is granted. That is, before any duty is chargeable a trader first deducts the pre-war standard, then 200*l.*, and lastly this special allowance on the basis stated. If the pre-war standard exceeds 500*l.*, the special allowance is reduced by the amount by which the pre-war standard exceeds 500*l.* The accounting period is the period for which the accounts of the business are made up—ordinarily, twelve months. For depreciation there is no special rate which applies to a chemist's business. The Commissioners make such allowance as they think just and reasonable, but no allowance may be made in any year which, if added to the allowances made in previous years, will make the aggregate exceed the total cost of the machinery and plant used in the business.]

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Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Patrick (143/19) and *J. G.* (121/74).—POPULAR CHEMICAL LECTURES.—We have from time to time given outlines of lectures suitable for delivering by chemists to a popular audience—*e.g.*, *C. & D.*, 1908, February 15, p. 279 (on "Matter"); February 22, p. 313 (on "Water"); February 29, p. 349 ("Some Interesting Drugs"); March 7, p. 385 ("The Breakfast-table"). As a source of material for chemical lectures we know of no more suitable books than Martin's "Triumphs and Wonders of Modern Chemistry" (Low & Co., 7*s.* 6*d.*), and "Modern Chemistry and its Wonders," by the same author.

W. W. B. (143/50).—SOAP-BUBBLE SOLUTION.—Professor C. V. Boyes, in his book on "Soap-bubbles," gives the following method of making this solution: "Fill a 40-oz. clean stoppered bottle three-parts full of distilled water, add 1 oz. of pure oleate of soda. Leave it for a day or two until it dissolves. Nearly fill up the bottle with Price's glycerine and shake well. Leave the bottle, stoppered, of course, for about a week in a dark place. Then with a syphon draw off the clear liquid from the scum. Add one or two drops of liq. ammon. fortiss. to each pint of the liquid. Do not filter, and never return the liquid which has been used to the stock bottle."

J. F. C. (157/4).—You will find full information about acriflavine and proflavine in the *C. & D. Diary*, 1918.

Beta (158/25).—MANUFACTURE OF SOAP.—Any oil may be used in the recipe for the making of soap which was published in the *C. & D.*, January 17, p. 76. Inferior oils do not give superior soap. Toilet soaps are made of a base of yellow soap with added perfumes and colouring matter, and in the case of the better kinds the process of milling has been carried out.

G. B. (157/1).—The title of the book to which you refer is "Name this Flower." It is published by Dent at 6*s.*

W. J. (160/2).—INCENSE.—The simplest recipe for this now that storax is so expensive is:

Olibanum	3 parts
Benzoin	1 part

Coarsely powder and mix.

Siam benzoin is the best for the purpose, but a passable product is obtained with Sumatra benzoin. If the proportion of this ingredient is increased the fumes are apt to be too acrid. The use of vegetable ingredients is not usual in church incense.

H. B. W. (153/22).—FLY-PAPER COMPOSITION.—The composition used for fly-papers is made by incorporating two parts of powdered resin with one part by weight of castor oil, using heat for the preparation. Another formula is:

Boiled linseed oil ...	4 parts
Gum thus	1 part
Castor oil	2 parts

J. T. (153/74).—ELIXIR AURANTII.—The following is the formula for which you ask:

Oil of bitter orange	℥ss
Rectified spirit	℥vj
Cinnamon water	℥vij
Syrup	℥vij

Dissolve the oil in the spirit, add the other liquids, and filter through paper moistened with proof spirit and sprinkled with kaolin.

K. & A. (152/6).—VALS DÉSIRÉE MINERAL WATER contains as the active ingredients the following bicarbonates: Lime (4.99 grs. per pint); magnesia, 7.87; soda, 52.85; potash, 23.01; also chlorides of sodium and potassium 9.62 grains, and 1.75 grain each of sulphate of soda and lime. There are traces of iron and alumina.

A. W. T. (158/60).—LIQUID FLOOR POLISH.—See *C. & D.*, 1919, p. 1424.

Pestle. (151/66).—The wooden and porcelain parts of pestles are united by means of melted shellac. The part of the wooden handle which goes inside the porcelain is wrapped round with string. The parts are then made hot before applying the shellac which is to unite them.

D. & S. (98/2).—See *C. & D.*, January 17, p. 7, in regard to the denaturants suitable for use in hair washes made with industrial spirit. All formulas must be submitted for approval to the Board of Customs and Excise before industrial spirit can be used for hair-washes. We do not recognise the term "head-spirit."

J. H. & Co. (153/17).—DISCOLOURED TURPENTINE.—There is no ready method of restoring turpentine that has become discoloured through storing in an iron drum. Redistilling is the only sure method, but usually such turpentine is employed for making furniture cream or boot-dressing, where the colour does not matter.

E. A. B. (126/24).—(1) DESTROYING WORMS ON LAWNS.—The stock solution is:

Mercuric chloride	1 lb.
Hydrochloric acid	22 oz.
Water to	1 gal.

Mix a teaspoonful of this solution with every ten gallons of water employed for watering the lawn. (2) Ammonium chloride, in saturated solution, is effectual in softening hardened animal skins.

E. W. (150/33).—BOILER-INCRUSTATION PREVENTERS.—These preparations for preventing boiler-scale consist generally of a 10-per-cent. solution of soda ash in water with or without astringent matter, such as tanners' or wattle bark, catechu gruffs, and eucalyptus leaves (1 lb. to the gallon).

Caustic potash	28 lb.
Caustic soda	28 lb.
Lime	14 lb.
Resin	7 lb.
Water	10 gal.

Boil together, decant, and mix with the following solution:

Catechu (acacia)	28 lb.
Water	10 gal.

Boiler-insurance companies do not allow caustic solutions to be used in the boilers they insure.

J. S. (153/47).—The salary which an assistant obtains in West End chemists' businesses in London depends upon the man's abilities. There seems to be a fairly general agreement to regard 5*l.* a week as the minimum salary for a qualified man.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Jan. 15, 1870.

Pharmaceutical Society.

At the evening meeting Professor Redwood proceeded to make some remarks, introductory to the discussion, on his "Notes on the Pharmacopœia," which had been adjourned from the last meeting. The Professor accounted for his present freedom, in discussing publicly the merits of the Pharmacopœia, by the statement that the Medical Council, so far from wishing to protect the Pharmacopœia from that liberal criticism which, having free expression, might conduce to its gradually assuming a more perfect form, were anxious that such discussions should have every possible freedom and attention. The responsibility of such a body as the Pharmaceutical Society was therefore great. Professor Redwood felt sure that the discussion would be of such a nature as to elucidate many important facts, and yet would not unduly weaken the authority of the Pharmacopœia. He said, we owe allegiance to the Pharmacopœia, and must be loyal to it. Yet the Pharmacopœia has its faults, although we must not magnify these so as to impress those who are inclined to deviate from its instructions.

NO WAITING! WE HAVE THE GOODS!

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of the following special grades:

SNOW-WHITE PETROLEUM JELLY B.P.

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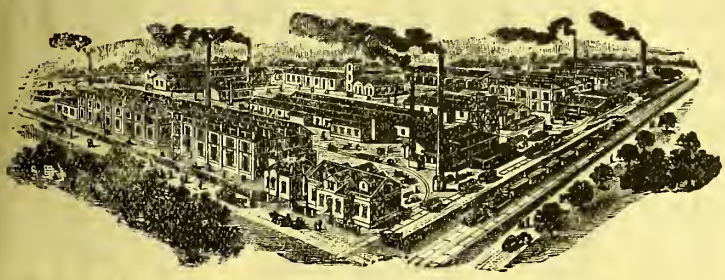

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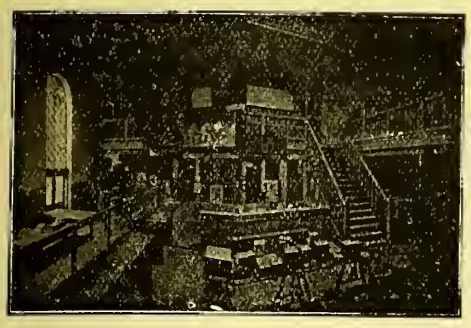

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DOES DUTCH BUSINESS INTEREST YOU?

If so, write to
Firma B. MEINDERSMA, The Hague,
HOLLAND (Branch Office at Sneek),
a strictly Dutch firm, with a view of entrusting them with your

Sole Agency for this Country.

They claim to be one of the leading Dutch Wholesale Houses for Proprietaries, Druggists' Sundries, Toilet Articles and Soaps, and have represented important English Houses for many years before the War Please send your offers, with samples; they will be dealt with without delay.

Theobromine Sodio-Salicylate

(chemically the same as Diuretine).

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Substitute for Agurine.

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KATWIJK-AAN-ZEE,
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Chemical Works Madoery, Ltd.

BASLE, SWITZERLAND.

Established 1902. Swiss Firm.

Male Fern Extract (24/25%).

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We have a continuous output of fine quality, and can book orders for important quantities, prompt and future delivery.

WE KEEP REGULAR STOCK IN LONDON. (a)

EUCALYPTUS OIL

(RECTIFIED.)

Eucalyptol Content	70/80%
Optical Rotation	0 to 1
Specific Gravity	·919 to ·928

Absolutely Free from Phellandrine.

Quotations by Cable. Wholesale Trade only.

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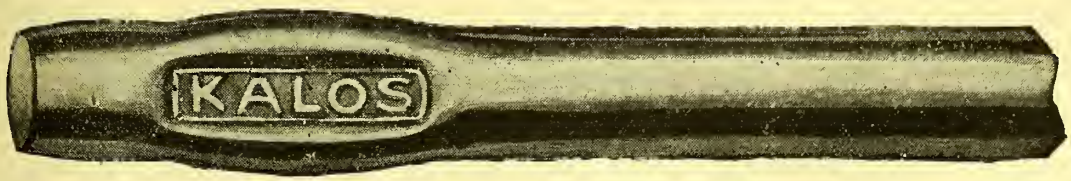
Eucalyptus Oil Distillers,
VICTORIA, AUSTRALIA.

New Postal Address— 591-5 Bourke St., Melbourne. Cables—"Burnside Company, Melbourne."



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We invite your attention to our comprehensive line of Pepsins and allied products:

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Manufacturers of Digestive Ferments, Pharmaceutical Specialties, Buyer's Packed Goods, High-Class Toilet Requisites, Private Formula Products. Inquiries invited.

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QUININE SULPHATE
AND OTHER QUININE SALTS.
SALICIN - - - SANTONINE
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Also rare drugs and alkaloids. If you have any goods to offer we would be pleased to have you communicate with us at once. Payments met through our bankers, BARCLAYS, 168 Fenchurch Street, London, E.C. 3

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EUCALYPTOL (CINEOL)

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PEPPERMINT-KETONE

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Large stocks always on hand.

We are prepared to quote C.I.F. by Cable or ex London stocks when available.

GILLARD GORDON, LTD.
SYDNEY, AUSTRALIA.
Largest Actual Distillers of Eucalyptus Oil in Australia.
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WHOLESALE DRUGGISTS, EXPORTERS, IMPORTERS AND MANUFACTURERS.

OFFICES: Tokyo, Yokohama, Osaka, Dairen (Dalny,) Singapore. FACTORY: Hiranuma, Yokohama.
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THE SUPPLIERS OF THE FOLLOWING JAPANESE PRODUCTS:

Ammonia Sulpho-Ichthyol, Agar-Agar, Aniline Oil, Argent Proteinic, Arsenobenzol, Caffein Pure, Camphor, Chalk Precipitated, Chamomile Flowers, Cod Liver Oil, Copper Sulphate, Epsom Salts, Glycerine, Insect Flowers and Powder, Iodide Potass., Iodide Soda, Iodine Pure, Iodoform, Kuromoji Oil, Magnesia Carbonate, Menthol, Menthol Cones, Naphthalin, Neoarsenobenzol, Peppermint Oil, Salicylic Acid, Salicylate Soda, Sulphate Iron, Staraniseed, Talcum, Yellow Prussiate Potass., Zinc Oxide, Ginger, etc. etc. Also Glasswares and Bottles.

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Buying and Selling Agents for leading Houses in all parts of the World.

European Manufacturers desirous of placing their goods in the American market would do well to communicate with us. Our outlet for goods is very large.

Weekly Market Reports Mailed on request of WHOLESALE BUYERS only.

P.A.T.A. NOTICE.

INVITATION.

THE Council of the P.A.T.A. hereby heartily invite applications for membership from manufacturers of proprietary articles and from wholesale and retail vendors of the same. Whatsoever manufacturers' thoughts may have been in the past about the need for price-protection, none but the selfish can now maintain that better profits (assured) are not essential to the conduct of business. The cost of running pharmacies is now greatly increased, and it cannot be wondered at if retailers give the iciest of "cold shoulders" to proprietaries not on the P.A.T.A.

Subscriptions (which run for twelve months from date of joining) are:

Manufacturers	£6 6 0
Wholesalers	10 10 0
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Crossed Cheques or P.O.'s, payable to the Proprietary Articles Trade Association, to be sent to the Secretary, SIR WILLIAM GLYN-JONES, 113 Temple Chambers, E.C. 4.

NEW PRICES OF

Increased cost of manufacture compels a rise in the prices of "New-Skin" as follows:

	Retail Prices		Trade Prices
Pocket Size	10½d.	Corresponding Increase in Trade Prices	8/5
Medium ,,	2/-		19/2
Physician's ,,	3/-		28/9½

£3 and upwards Carriage Paid.

MODERATE STOCKS ARE NOW IN HAND.

Order through your Wholesaler, or direct—

J. E. GARRATT,

96 SOUTHWARK STREET, LONDON, S.E.1.

ETNA BRAND LIQUORICE JUICE

THE FINEST ON THE MARKET.

Guaranteed Pure STICKS and BLOCK

WRITE FOR **SAMPLES & PRICES,** PROMPT AND FORWARD DELIVERY.

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Telephone: 1892 Avenue. ABC, and Lieber's Codes. Cables and Telegrams: "LINTEOLO LONDON."

A. S. PRICE & Co. Ltd. *Manufacturing Chemists, and Wholesale Druggists.*

Patent Medicines, Proprietary Articles, Drugs and Sundries at competitive prices. Sole Proprietors of Machin's Pearl Ointment & "Fluzo" Powders.

RELIANCE WORKS, BLACKHEATH, BIRMINGHAM.

Telegrams: "Custard, Blackheath, Staffs." Telephone: Cradley 174.

TOILET ROLLS, 7/6. White Tissue, 6/6 ream, Nature Brown, 4/9 ream, Coloured Tissues, 20×30, 7/6, White Demy and Seidlitz Blue, Billheads from 5/6 1,000. Labels at cheap rates, Envelopes from 4/9, Seed Bags, Paper Bags, Tags, etc. Lists and Samples, 3d. stamps. Manufacturers of Writing Pads and Compendiums.

CHEVERTON & LAIDLER, Wholesalers, DUNSTABLE.

BESORBON (Dr. Hill's Formula).

MEDICINAL SNUFF. ABSOLUTELY THE FINEST REMEDY FOR CATARRH AND COLD IN THE HEAD.

RICHARD DICKESON & COMPANY (Incorporated with REYNOLDS SONS & CO., LIMITED). 57/59 CHARTERHOUSE STREET, LONDON, E.C.1

In addition to the "APOLLO" Brand of PURE STICK LIQUORICE JUICE, MacAndrews & Forbes, Ltd., make an equally high-class stick, which they sell under registered brand of "MAFCO." This Stick Juice is guaranteed pure extract of the richest Liquorice Root in the World.

APOLLO

It has a strong liquorice flavour due to its highly-concentrated form. Like "APOLLO" Juice, it is highly soluble and free from dirt and grit. These Juices are made by the largest Pure Liquorice Manufacturers in the World, under direct supervision of an expert British Staff.

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ESTABLISHED 1857.

ALL GOODS ON APPROVAL.

Arrowroot - - 9d. lb.
Acid Benzoic - - 7/- ,,
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Ammon. Carb. - - 8½d. ,,
,, Chlor. Pur. - 8½d. ,,
Acid. Phospb. Conc. - 1/10 ,,
Camphor 480 to lb. - 19/6 ,,
Croci, Stig. Opt. - 6/- oz.
Cera Alb. - - 3/3 lb.
Cera Flav. - - 2/8 ,,
Dec. Aloes Co. Con. Nost. 1/4 ,,
Ferri Am. Cit. - 5/- ,,
Guaiacol Carb. 2/2 oz., 33/- ,,
Iodum Resub. 1/4½ ,, 19/9 ,,
Lanæ Hyd. - - 1/4 ,,
Liquorice Pur. 2 oz. Sticks 4/10 ,,
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Lin. Belladonna Meth. 7/6 ,,
Liq. Ammon. Act 1-7 Conc 1-7 1/9 lb., 28 lbs. 36/-
Ol. Ricini - - - 1/2 ,,
,, Myristic. - - 1/- oz.
,, Macis Express. - 1/- ,,
,, Sassa. - - 14/- lb
Ol. Sant. Flav. Ang. 3/9 oz., 55/- lb.
,, Succini Rect. 1/9 lb., 19/6
Pot. Permang. - - 4/3 ,,
,, Iodide - - 17/6 ,,
,, Caustic Pur. - 16/- ,,
,, Sulphurata - 2/- ,,
,, Tart. Pur. Pulo. - 4 9 ,,
Paraffin Moll ½ white - 10½ ,,
Phenazone - - - 1/8 ,,
Pulv. Rhei. E.I. - - 7/6 ,,
Pulv. Trag. - - 11/6 lb
Resin Flav. - - 8d. ,,
Sapo Cast. - - - 1/3 ,,
Sal. Lithonis - - 1/10 ,,
Sodii Phospb. Pl. - 1/- ,,
,, Cacodyl. - - 4/- oz.
Stront. Brom. XL - 7/6 lb.
,, Cannabis Ind. - 15/- ,,
,, Valer. Am. - 4/6
Ung. Hyd. Nit. B.P - 4/6 ,,
,, Picis - - 1/9 ,,
,, Resinæ - - 2/0 ,,
Zinci Valer. - - 2/- oz

Thick Pure Wool Body Belts Boned, with 2 buckles, 8 in. deep 36/- doz. (worth 60/-)
8-Row Bristle Nail Brushes, 10/- Black Military Combs, 6½ in. 7/6 doz.
100 gross All-Bristle Shaving Brushes (worth 8/6) 4/6, 52/- gross
500 gross Ex-Stout Gents Combs 5½ in. 4/3, 48/- gross
Bone Tooth Brushes, 5/- doz. Celluloid Tooth Brushes, 7/- doz.
Flexible Steel Nail Files, 3 in. 4/3, 4 in. 4/9, 5 in. 6/-, 6 in. 7/-
Nail Cutters, 12/-. 2/6 Ladies' Hair Brushes, 15/- doz.
Finger Stalls Strong Dark Drill, 15/- gross, Waterproof, 2/- doz.
Large 1/- Tubes Solid Brilliantine, 6/- doz.
1d. and 2d. Ointment Tins, 3/3 & 5/- gross
Red Moulded Enemas, 20/- complete. Eye Shades Celluloid 2/- doz.
Ladies' Hair Brushes, 15/- doz.
Military Hair Brushes (Bristle), 12/- doz.
Absorbent Medicated Gauze. 1-yd. packets, 3/- doz.
Folding Nail Scissors, 16/6 doz. Steel Shop Scissors, 14/- doz.
Ceal Soap 8½ to b. Boxes of 1 doz 3/6
1/6 Bowls Owana Shaving Soap 11/- doz. Black Parcel Wax 7 lb. 5/-
3d. Sticks ,, ,, ,, 15/- grs. 1½" Cambric Bandgs. 18/- grs.
1/- Dental Ribbon Cream 6 6 doz. Boric Lint 2/8 Cotton Wool 1/10

STEVENS & Co.,
97A Borough High Street, LONDON, S.E.1.

Alliance Drug & Chemical Co., London

Offices: 34 LEADENHALL STREET.

NOTE.—Only terms, Net Cash with order without discount, or orders accepted through London Merchants or Bankers.
Goods carriage forward; all packages free; Export cases extra.

Acet. Ipecac., B.P., 6 lbs. @ 2/5 lb.
,, Scillæ, P.B., 6 lbs. @ 8d. lb.
Acid. Acetylo-Salicyl., 1 lb. @ 6/- lb.
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,, Boric Pulv., 3 cwt. @ 85/- cwt.; 1 cwt. @ 8/6 cwt.; levigd. cwt. or lb. extra.
Camphor, English Flowers, "not artificial," 5 lbs. @ 20/6 lb.; ¼ oz. or ½ oz 7 lbs. @ 21/6 lb.
*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 3/3 lb.
* Sinecroco, 6 lbs. @ 1/11 lb.
* ,, Cinchonæ (Rubræ) Conc. 1-7, 6 lbs. @ 4/- lb.
* ,, Senegæ Conc., 6 lbs. @ 7/- lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 3/5 lb.
*,, Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 3/5 lb.
* ,, Buchu Conc., 1 to 7, 6 lbs. @ 5 6 lb.
* ,, Calumbæ Conc., 1 to 7, 6 lbs. @ 1/11 lb.
* ,, Caryoph. Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* ,, Cascarilla Conc., 1 to 7, 6 lbs. @ 2/2 lb.
* ,, Cinchonæ Acid., 1 to 7, 6 lbs. @ 3/10 lb.
* ,, Gentianæ Co., 1 to 7, 6 lbs. @ 1/8 lb.
* ,, Quassiæ Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* ,, Rhei Conc., 1 to 7, 6 lbs. @ 4/6 lb.
* ,, Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 3/4 lb.
* ,, Senegæ Conc., 1 to 7, 6 lbs. @ 6/9 lb.
* ,, Valerian Conc., 1 to 7, 6 lbs. @ 2/11 lb.
*Liq. Ammoni Acetatis Conc. 1-7, 6 lbs. @ 1/10 lb.; 1 lb. @ 2/2 lb.
*Syr. Aurant., P.B., 7 lbs. @ 2 3 lb.
*,, Easton, B.P., 7 lbs. @ 2 4 lb.
* ,, Ferri Iodid, P.B., 7 lbs. @ 2 2 lb.
* ,, Ferri Phosph. Co., 7 lbs. @ 1/1 lb.
* ,, Hypophosph. Co., B.P.C., 7 lbs. @ 2/- lb.
* ,, Pruni Virg., B.P., 7 lbs. @ 1/9 lb.
* ,, Rhamni, 7 lbs. @ 1/9 lb.
* ,, Rhei, B.P., 7 lbs. @ 1/10 lb.
* ,, Scillæ, P.B., 7 lbs. @ 1/2 lb.
* ,, Sennæ, P.B., 7 lbs. @ 1/9 lb.
* ,, Tolut, P.B., 7 lbs. @ 1/5 lb.

* Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
In comparing prices it must be borne in mind that bottles and packages are free and not charged, but are credited if returned.

SAPONINE

(SOLUBLE),

MANUFACTURED BY

C. W. FIELD, LTD.,

Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.

GUARANTEED

SACCHARIN TABLETS

Average 7,000 to pound.

Quantity.	½-grain 330	⅓-grain 330	¼ grain 330
1 lb. ...	45/-	34/-	27/- per lb.
10,000...	6/6	5/-	4/- per 1000
100's boxes	9/-	7/-	6/- per doz.
200's boxes	16/-	13/-	11/-

Cash with Order. Registered post paid.
Special quotations to large buyers.

WARNING.

As the actual cost of **Saccharin alone** in a pound of full-strength ½-grain 330 in 1 tablets is 40/-, apart from labour, wear and tear of machinery, postages, profits, etc., **Chemists would be well advised** to test low-priced tablets before purchasing. **Sample tablets** of our manufacture are at the disposal of any Chemist sending a stamped addressed envelope to

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Hand-Made Gelatine Capsules

FOR HOME OR EXPORT
Sandal Oil Capsules a Speciality

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ESTABLISHED 1871. Telegraphic Address: "Toothache Sheffield."

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ASPIRIN TABLETS
6/- per 1000.
Each Tablet contains 5-gr. B.P. Aspirin.
As supplied by us to the Military Hospitals.
Bottles—25s, 50s, and 100s. Prices according to quantity.

BRITISH
SACCHARIN TABLETS
·3 grain 550 in 1.
In packets or bottles of 100, 200 or 500, and in Bulk. Special quotations for quantities.

SILK SKIN CREAM TABLETS
(Registered). In boxes 2d., 4½d. & 6d.; 16/-, 30/- and 48/- per gross net, delivered. Showcards and Window Bills.

All drugs are tested, and tablets made in our own factories, and guaranteed by
G. CARR & CO., Ltd.
Manufacturing Chemists,
Wilkinson Lane - SHEFFIELD.

ASPIRIN TABLETS
made from
BRITISH ASPIRIN, B.P.
The Cooper Laboratory,
Watford.

COMPRESSED TABLETS

Formalin Throat
TABLETS.
Formalin (dry) ... ... ¼ gr.
Acid. Citric ... } ā ā
Sacch. Alb. ... } q. s.
Ol. Menth. Pip ... }
FOR THE
Throat and Voice
ANTISEPTIC & SOOTHING.
DOSE.—One to be dissolved in the mouth occasionally.
6/10 per doz.

COMPRESSED TABLETS OF
Aspirin.
5 grs.
Bottles of 25 ... ... 4/3 per doz.
,, 100 ... ... 12/9 ,,
Per 1000 ... ... 8/-

COMPRESSED TABLETS OF
Phenacetin.
5 grs.
Bottles of 25 ... ... 6/9 per doz.
,, 100 ... ... 21/6 ,,
Per 1000 ... ... 16/-

COMPRESSED TABLETS OF
Saccharin.
⅓ gr.—550,
Perfectly Soluble.
Bottles of 100 ... ... 10/- per doz.
Per lb. 51/-

Write to us for quotations for all Tablets.

Compound Cinnamon
TABLETS.
Formalin (dry) ... ... ¼ gr.
Acid. Citric ... } ā ā
Sacch. Alb. ... } q. s.
Ol. Cinnamon ... }
FOR THE
Throat and Voice
ANTISEPTIC & SOOTHING.
DOSE.—One to be dissolved in the mouth occasionally.
7/- per doz.

THE WESTERN TABLET CO., LTD.
106 Church Street - - - - LONDON, W. 8

We can offer from stock, afloat, and prompt shipment from New York :—

Acetanilid	Glucose	Paraformaldehyde
Aspirin	Heliotropine	Peppermint Oil
Aldehydes	Hexamine	Potash Chlorate
Acetic Anhydride	Hydrokinone	Potash Permang.
Bromides	Lithia Carb.	Prussiates
Beta-Naphthol	Hypophosphites	Resorcin
Carbolic Acid	Hypo. pea Xtals.	Saccharin
Coumarin	Mercurials	Salicylic Acid
Citric Acid	Methyl. Sal.	Soda Sal.
Farina	Milk Sugar	Salol
Formaldehyde	Phenacetine	Soda & Acid Benzoate
Guaiacol Carb.	Pepsin	Tartaric Acid
Dragon's Blood	Phenolphthalein	Terpineol
Glycerine	Pancreatin	Tannic Acid
Glycerophosphates	Paraldehyde	Vanillin

Also a full line of HEAVY CHEMICALS, ANILINE OIL & SALT, SODA, BICARBONATE, CAUSTIC ASH, SULPHIDE, SULPHITE, BLEACHING POWDER, BICHROMATES, ZINC DUST, &c. &c.

Obtain our quotations before ordering. (Phone 5763 HOLBORN.)

ASPIRIN TABLETS.

Every tablet guaranteed to contain gr. 5 PURE ASPIRIN, B.P., m.p. 135·5, as supplied by us on contract to the Allied Armies.

Packed for the Trade, in unlabelled bottles, as follows :

25's—**4/3** per dozen. 50's—**7/6** per dozen. 100's—**13/6** per dozen.
Bulk, **8/-** per 1,000.

(Stock labels supplied if desired.)

ASPIRIN, B.P., superfine quality, **5/6** per lb.

SPECIAL QUOTATIONS FOR QUANTITIES. SEND FOR SAMPLES.

THE KEENE COMPANY

Manufacturing Chemists and American Merchants,

52 Gray's Inn Road, LONDON. 335 Broadway, NEW YORK.
11 Rue Condorcet, PARIS.

Contractors to His Majesty's War, India and Munition Departments. Contractors to The Allied Government's Military Hospitals. Members of American Chamber of Commerce in London. Members of London, British and Latin-American Chambers of Commerce.

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SACCHARIN 550
COUMARIN 100%
VANILLIN 100%

READY ON SPOT.

APPLY TO DIRECT SHIPPERS—

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POTTER'S ASTHMA CURE
For the Relief of Asthma Hay Fever Bronchitis & Diseases of the Respiratory Apparatus
PRICE 1/6 NETT.

1/6 TINS (P.A.T.A. 1/6)

14/- DOZ NET

POTTER'S
Asthma Cure

ADVERTISED EVERYWHERE

GIVES INSTANT RELIEF

POTTER'S ASTHMA SMOKING MIXTURE
PRICE 9d. PER TIN.

POTTER'S ASTHMA CIGARETTES
FOR THE RELIEF OF ASTHMA HAY FEVER BRONCHITIS AND DISEASES OF THE RESPIRATORY APPARATUS

9d. Tins (P.A.T.A. 9d.) 7/- DOZ. NET.

POTTER'S TRAMONIUM CIGARETTES

1/6 Boxes (P.A.T.A. 1/6) 14/- DOZ. NET.

1/3 Boxes (P.A.T.A. 1/3 net.) 10/- doz.
9d. Boxes (12 in box) 6/- doz.

POTTER & CLARKE LTD.
60 64 Artillery Lane
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mbrine is the *Only Authorised Preparation* of . Barthe de Sandfort. We are compelled to state this, as there are various imitations.

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HOW THESE ON YOUR COUNTER, THE SALE IS CERTAIN.

Special Visit to Military Hospitals in France.

"Here we saw some wonderful cases of burns treated with mbrine; the effect seems to be practically to provide the patient h a new skin, to say nothing of a fresh complexion."
—*The Nursing Times*

PURE OXIDE OF TIN AND TIN METAL

STANNOXYL

Treatment of Staphylococcal Affections.

(An Oxide of Tin and Tin Metal Free from Lead!)

A Scientific production the value of which has been studied y closely. The effect is very prompt; from the second day of atment the pain is relieved.

n the majority of cases definite results are obtained within five six days; it is seldom necessary to take the full ten days' atment, and relapses are unknown.

FULL PARTICULARS ON APPLICATION.

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THE

Anglo-French Drug Co., Ltd.,

having been appointed

Sole Wholesale Agents

for

Géraudel's Pastilles

have placed them on the

P.A.T.A. List at 2/- per box.

Wholesale Price, 18/- per doz.

GÉRAUDEL'S PASTILLES.

VALERIANATE

"Gabail"

ODOURLESS. TASTELESS.

Each 100 grammes of Valerianate "Gabail" contains:—

Extract of Valerian (French Codex) ...	10 grms.
Acid Valerianic	3 ,,
Ammonium Carbonate	q.s.

Whilst possessing the full medicinal value of VALERIAN the odour is entirely suppressed.

In bottles containing 125 c.c. per bottle **3/4**
,, ,, ,, 250 c.c. ,, ,, **6/-**
,, ,, ,, 500 c.c. ,, ,, **10/6**

Dose:—One teaspoonful.

ELIXIR BROMO-VALERIANATE "GABAIL"

In bottles containing 210 c.c. per bottle **3/9**

Dose:—One tablespoonful.

FREE SAMPLES ON APPLICATION.

WONDERFUL SALES!!

AS EXPECTED, OUR

Attractive Two-Colour Cartons & Five-Colour Showcards

HAVE CREATED AN ENORMOUS DEMAND FOR THE ALL-BRITISH

FUMO-TARACINE

SUPPLIED WITH FREE VAPORISER IN EACH CARTON.

Recommended by the Medical profession for the treatment of

Influenza,

Asthma	Catarrh
Measles	Sore Throat
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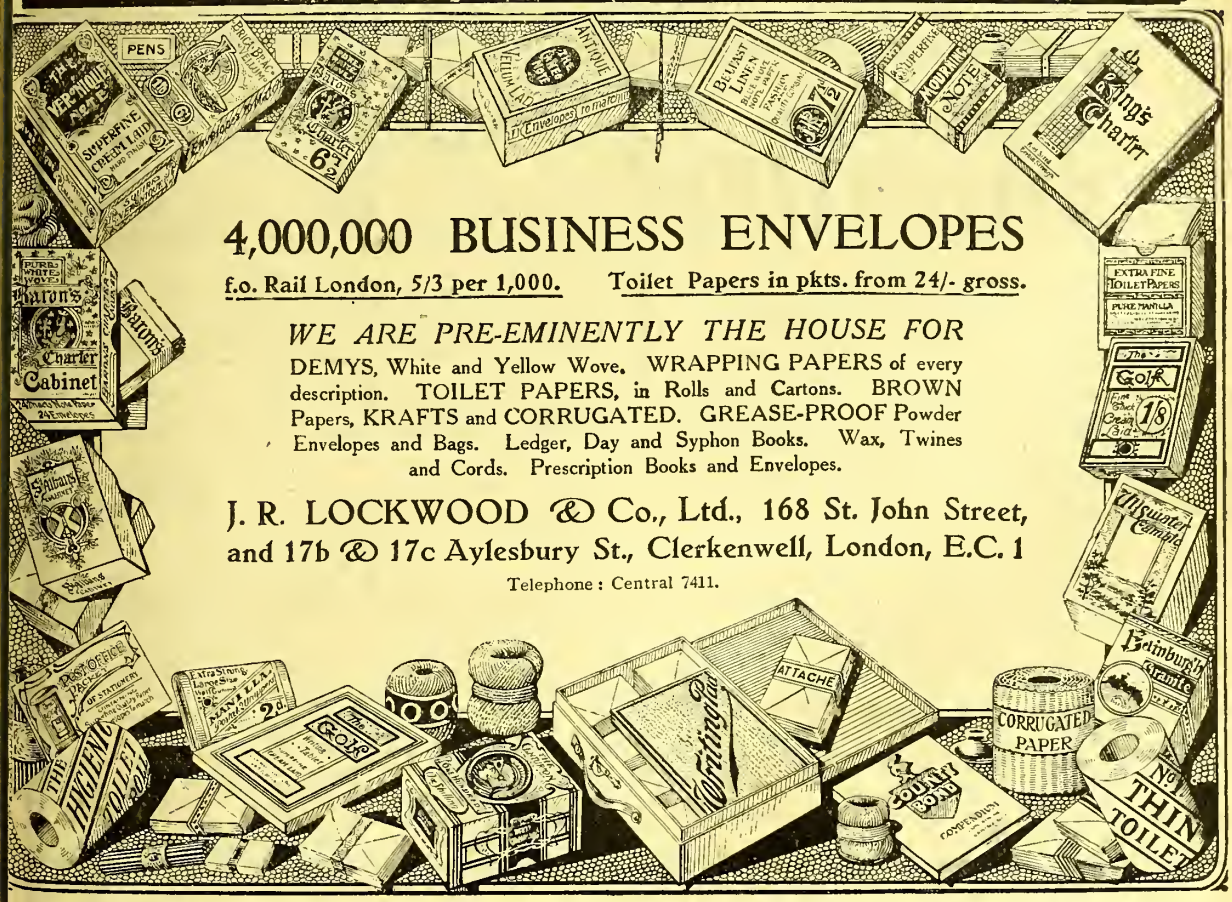

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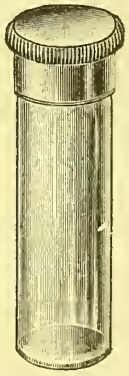

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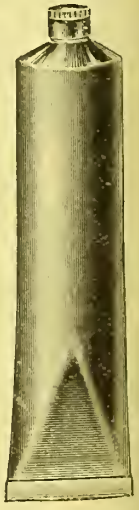

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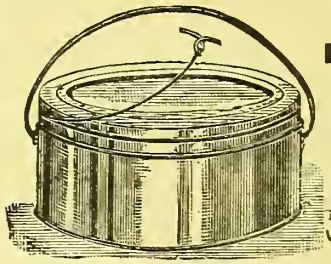

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WHOLESALE: Write for QUOTATIONS.

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GLOVES, TEATS, SOOTHERS

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FOOT TROUBLES

such as Corns, Bunions, Callouses on the Sole, Flat Foot, Cramped Toes, &c., are increasingly prevalent owing to unaccustomed War Work.

Dr Scholl's Foot Comforts

are the result of years of experience devoted to the treatment of Foot Ailments by Dr. Scholl, and are to-day recognised as the most perfect corrective devices on the Market. They are in constant demand, and all Chemists will find it profitable to stock them.

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Every "Ronoleke" REGD. You Sell

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The fact that the "Ronoleke" Bottle CANNOT leak makes satisfied customers who will have confidence in coming to you for all their other needs. Make sure of your supply of "Ronoleke" Guaranteed Unleakable Hot Water Bottles by ordering through your Wholesale House right away NOW.

They will supply you also with attractive advertising material, and the "Ronoleke" itself will advertise you in every purchaser's home.

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Protected on the P.A.T.A. List.

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
6″ × 8″	**5/3**	**6/10**
6″ × 10″	**5/10**	**7/6**
7″ × 10″	**6/–**	**7/9**
6″ × 12″	**6/2**	**8/–**
7″ × 11″	**6/3**	**8/1**
8″ × 10″	**6/7**	**8/6**
7″ × 12″	**6/9**	**8/9**
6″ × 14″	**6/9**	**8/9**

Size	Minimum Wholesale Prices to Retailers	Minimum Retail Prices to Public
8″ × 12″	**7/4**	**9/5**
9″ × 12″	**7/9**	**10/–**
8″ × 14″	**8/–**	**10/3**
10″ × 12″	**8/3**	**10/7**
10″ × 14″	**9/3**	**11/11**
10″ × 16″	**10/1**	**13/–**
12″ × 14″	**10/4**	**13/3**
12″ × 16″	**11/–**	**14/2**

Your Wholesale House will supply you

SATISFY YOUR CUSTOMERS

The "Fastnet" BANDAGES

In Sealed Cylinders.

Used by Discriminating Medical Men.

The following are a few of the many advantages of the "Fastnet" Bandages over any other Water-dressing Bandages on the market :—

(1) The cloth from which they are made is of even manufacture, very absorbent and heavy texture.

(2) They are tightly rolled by a patent process, the benefit of this will be at once appreciated by the surgeon when applying.

(3) They are cleanly cut and evenly packed.

(4) They are each packed in a sealed cylinder, ensuring cleanliness in use and in storage, and require no further wrapping before sale.

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ESTABLISHED 1847.

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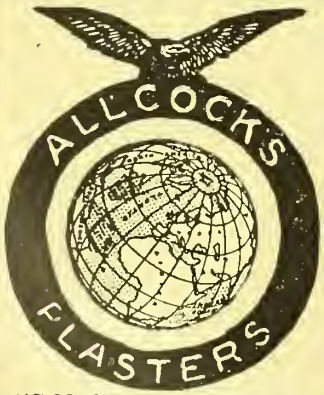
A REMEDY OF 70 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
The Three Reliables.



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ALLCOCK - - MANUFACTURING COMPANY - -
22, Hamilton Sq., Birkenhead, England.

"Sold all round the World."

TRADE MARK

Capsicum Cotton Wool.

METHYL SALICYLATE.

PACKED IN ATTRACTIVE CARTONS.

SMALL SIZE, 6/- DOZ.

LARGE SIZE, 11/6 DOZ.

Special Quotations for Large Quantities.

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Telegraphic and Cable Address:
"UNDISPUTED, STOCKPORT."

Codes:
5TH EDITION A B C;
MARCONI & LIEBER'S.

ABSORBENT COTTON WOOL.

You will not regret taking our advice,
It is honestly given with the view to help.

BUY NOW.

Superfine	Quality	- -	3/6 lb.
"C"	"	- -	2/4 "
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HOT WATER BOTTLES AND AIR CUSHIONS

THE "EMPIRE" BRAND

One Quality only—THE BEST. Guaranteed for 2 years.

Sizes	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Heavy weight ... ... each	4 0	4 4	4 8	5 0	5 6	6 0	6 3	7 0
Covers, scarlet or grey plush ,,	1 5	1 8	1 10	2 0	2 2	2 8	2 10	3 3

Fig. 1194. **The "EMPIRE" Red Indiarubber Air Cushion.**

Sizes	14	15	16	17	18	19	20 ins
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Circular Shape ... ... each	8 0	9 0	10 0	11 0	12 0	14 0	16
Square shape ... ... ,,	12 0	13 6	15 0	16 6	18 0	19 6	22

FIG. 957.—Side Handle.

5% discount allowed for prompt cash off above prices.

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Pessaries (Quinine), Rubber Sponges, Splints, Sponge Bags, Tooth Brushes, Trusses, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED

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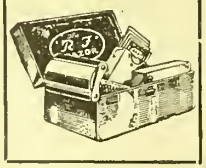
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1.

They will all ask for the **R.-F.** RAZOR.

ALL BRITISH MADE.

21/- COMPLETE.



WHAT IT IS—

A Safety Razor that embodies an invention worked on an entirely new principle. It does not scrape over the face, it ROLLS. Thus its action is delightfully smooth and soothing to the skin, giving a perfectly clean and pleasant shave.

Rollo-Foam SAFETY RAZOR

WHY YOU MUST STOCK IT—

It is being extensively advertised and is selling well.

It is the best safety razor ever invented.

It is most excellent value.

Price List sent on application.

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IMPORTANT

It is not generally known that Corks made of Rubber are to-day 25% cheaper, are more serviceable, reliable, and give greater sealing facilities than any other kind. We specialise for the requirements of the Chemical Trade, and manufacture all standard sizes.

	Drab Ammonia Proof.	Drab Acid Proof.
Prices for 8-oz. Bottles ...	3/3	4/3 per gross
,, 16-oz. ,, ...	4/9	5/9 ,,

Other sizes—Prices on Application.

SPECIAL PRICES FOR LARGE QUANTITIES.

We also manufacture BUNGS for ½-gall. and 1-gall. Jars.

RED & BLACK RUBBER CORKS of the Best Quality for Laboratory use.

Inquiries Solicited.

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Manufacturers of all Rubber Specialities for Medical, Chemical & Laboratory use,

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It's all-British

There's big business for you in SORBO SPONGES

SORBO SPONGES look exactly like the finest quality natural sponges, but are made of pure rubber manufactured by a secret British Process.

There are no other sponges—natural or artificial—to equal Sorbo Sponges—repeat orders from all parts of the world prove this to be so.

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of every Description
for all Markets.
INQUIRIES INVITED.

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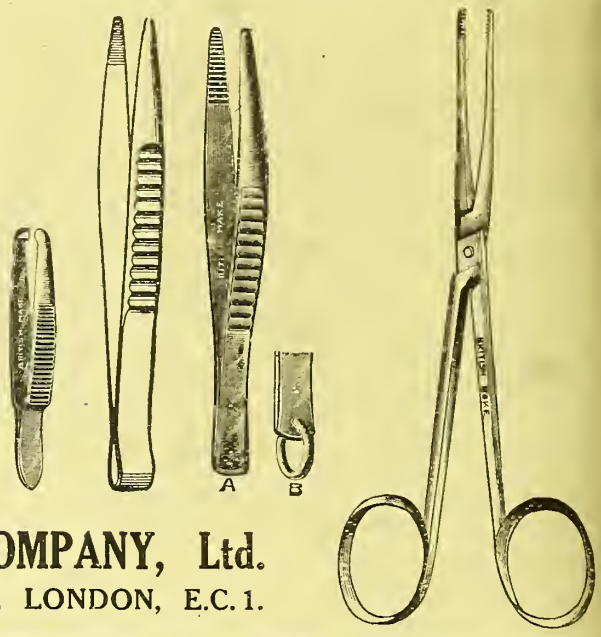

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Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Œsophageal Instruments, Horse Catheters and Cattle Probangs. Wholesale and Export only. *Price List from the Manufacturers.*

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PURE WHITE INLEAVED ABSORBENT

COTTON WOOL.

1 lb. 1/5½; 8 oz. 1/6½; 4 oz 1/7½; 2 oz. 1/9½; 1 oz. 1/11½ per lb.
Carr. paid, 28 lb. as above. Special prices for 5 cwt. and upwards
Mag. Carb, Levis, B.P., 1/- lb. Mag. Sulph, B P., 24/- cwt. Borax and other Chemicals. Terms—Cash with Order.

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(HIGHEST GRADE)

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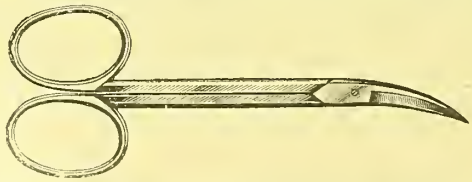

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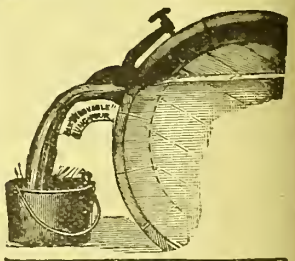
(PATENTED).

For emptying Casks without Pump, Tap or Stillage. Applied to and removed from any cask instantly. All waste and mess prevented. More rapid in action than a pump. Will fit any ordinary cask from 20 to 60 gallons.

Does not damage the cask.



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For quickly producing a perfect Polish on Floors for Dancing.

Handsome three-coloured Enamelled Tin, Perforated Top.

P.A.T.A. **1/6** Per Dozen, **13/6**

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Cellophane

What Is It?

CELLOPHANE

is a transparent film of pure Cellulose, **absolutely** air, grease, and odour proof, **unaffected** by cold, heat, or moisture, and **sterilisable.**

An **ideal wrapping** for Drugs, Tablets, Bath Crystals, Perfumery, Provisions, Sweets, Surgical Dressings, Articles of Toilet, &c. &c.

Will keep your Goods, Boxes, Bottles, and delicate Labels **clean** on the Counter and in Shop Windows, allowing the Articles to be seen **by transparency.** Can be had colourless, coloured and embossed.

Also in the shape of **Discs** for Creams, Ointments, Boot Polish, &c.

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(LECLERCQ & CHARÉRAT),
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IS JUST THE "LITTLE BETTER" THAT MAKES IT THE EASIER TO USE THE EASIER TO SELL

A "Slipperined" Floor is perfect.

1/6 Sprinkler Tins, 12/- dozen.

From the following Who'esale Houses :

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SNOW-WHITE OPAQUE ROLLED SKINS.

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"Mine beat all others."

"SOLE PIONEER"
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SEMREH
BOTTLE CAPS
are saving time and labour. They are self-fixing.
Do you use them?
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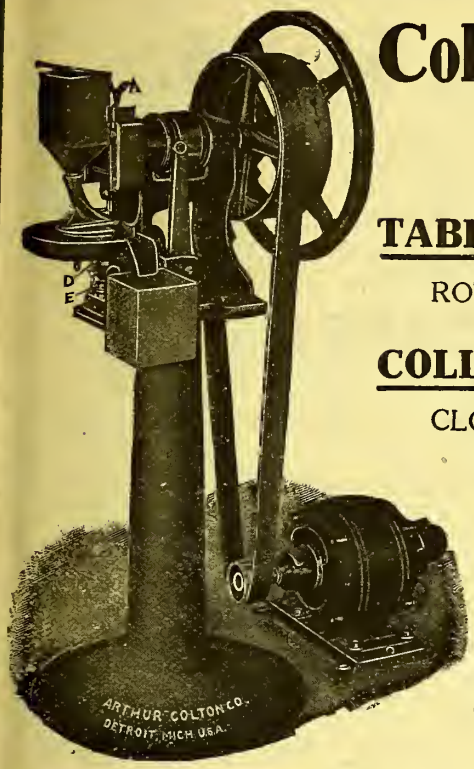

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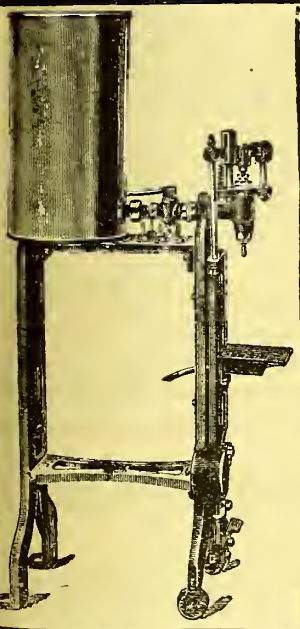

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THE FASTEST, CLEANEST & SIMPLEST

Average Speed 1,000 Bottles per hour.

Specially good for—
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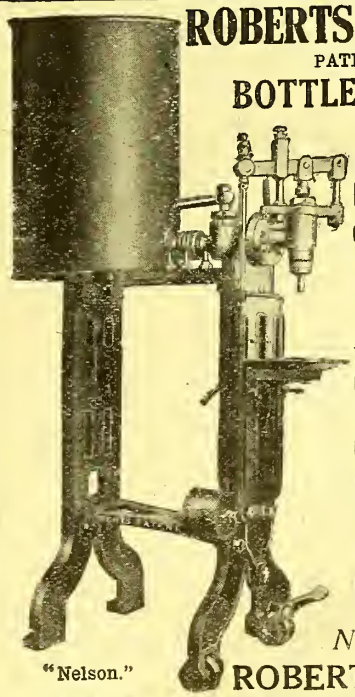

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Tubes, Jars, Pots, Filling Machine.

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for filling bottles, collapsible tubes, pots, jars, etc, and for closing collapsible tubes.
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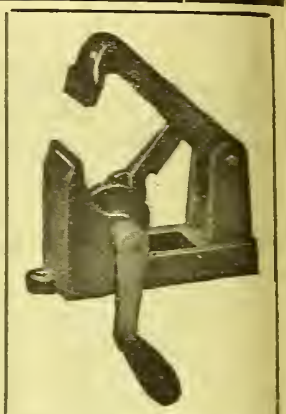
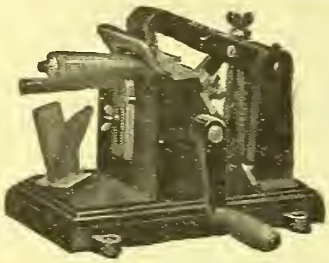
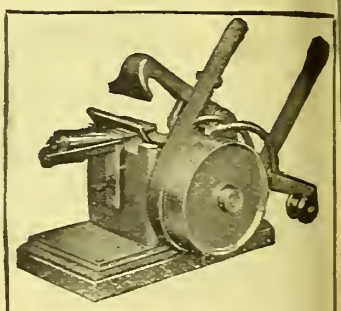


Clip Fastening Machine.



Hand Tube Closing Machine.



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The Original Preparation for Cleaning Cutlery, Canisters, 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.

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For Cleaning & Polishing SILVER, ELECTRO-PLATE, etc. Tablets, 6d.

"WELLINGTON" BLACK LEAD
In Solid Blocks, 1d., 2d., and 4d. each, and 1s. Boxes.

Polishing Paste, Furniture Polish, Plate Powder, Rouge, Urn Powder, Steel Polish, Crocus, Tripoli, Brunswick Black.

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SHEEP DIPS Poisonous and Non-Poisonous of all kinds.
DISINFECTANT SOAPS of all kinds.
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speaks volumes for its efficacy. "EXTIRMO" is quite different to any other preparation on the market. You will find it a ready seller, showing a handsome profit, and giving every satisfaction to your customer. Write for bonus terms, showing over 100% PROFIT P.A.T.A.

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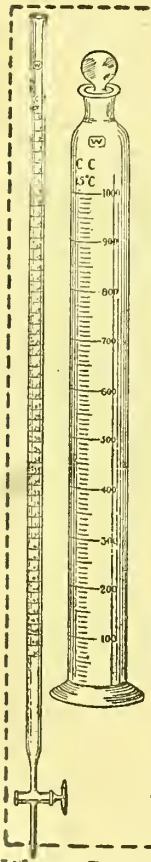

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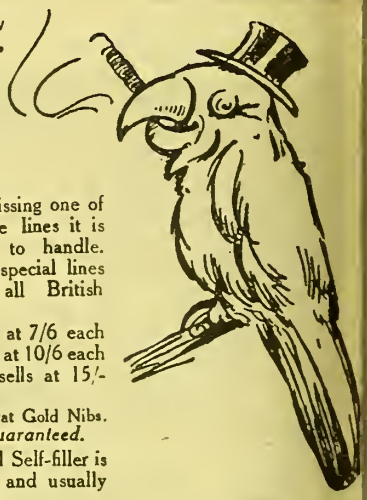

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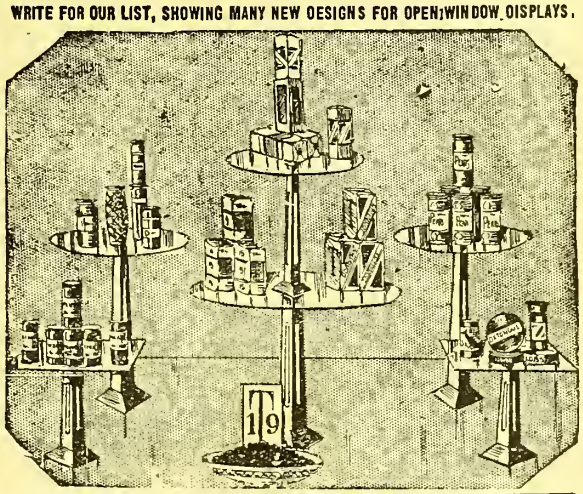

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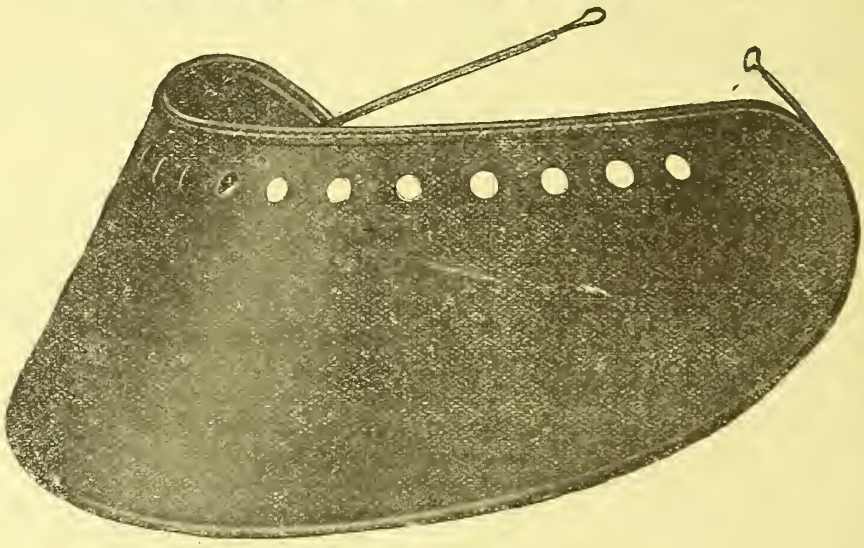

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EX COAST.—Pharmaceutical Chemist's Business in the main reet of a favourite seaside resort; old-established and concern; returns about £5,000; no Panel Dispensing: t shop and good dwelling accommodation; £5,500 for the stock, and fixtures; premises can be purchased or rented. Hankinson & Son, Estate Agents, Bournemouth.

HIST'S Shop, Wandsworth Main Road, freehold or let se, with all Shop Fittings, Carboys' Fittings and Bottles; mmediate business; good accommodation, repair; closed o the war. Apply Bartlett, 26 Bush Lane, E.C. 4.

FOR Sale, Mixed Business, Drugs and Paints; valuation stock and fixtures. Apply 271 Arkwright Street, Nottingham.

ON G.E. Main Line, 2¼ hours from London, an old-established Family and Prescriber's Business; returns last two years exceed £1,200 per annum; well-fitted shop, good house and garden; owner retiring; vendor's own property all for disposal; only bona-fide purchasers dealt with; banker's reference exchanged. Apply 26/11, Office of this Paper.

ON Sale, the Business Premises of an old-established Chemist and Druggist in Preston, Lancashire; the premises are ideal for the purpose, and there is no opposition in the immediate neighbourhood; first-class living accommodation. Apply Messrs. Gowling & Ward, Solicitors, Lune Street, Preston.

TRUSTEES late George Wilson, Chemist, Coldstream, will dispose of old-established Business with valuable Sheep-Dipping speciality, good trade in Cartridges, Oils, etc.; important farming district; speciality could be worked by Chemist whether qualified or not; excellent opportunity for enterprising man Apply Messrs. Melrose & Porteous, Solicitors, Coldstream, N.B.

TENDERS.

ALLEN, HARDING & CO., LTD. (in voluntary liquidation).—The Liquidators offer for Sale their interest in the Goodwill of this Company. Particulars on application at No 1 Metal Exchange Buildings, E.C. 3. Sealed tenders will be opened at 11 o'clock on Monday morning, 26th inst., and should be addressed to the Joint Liquidators at that address, marked "Tender."

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SUSSEX COAST.—Well-established Retail and Dispensing Business, returning £2,000; no Panel or Photo; good position; well fitted and heavily stocked; sole cause of sale, leaving the Retail; price £1,000, for quick sale—about valuation.

2.—SOUTH WALES.—Light Retail, Dispensing, and Prescribing Business, in healthy colliery district; quite unopposed; returns £1,650; no panel; low rent; good house and garden; modern, well-fitted shop, fully stocked; price £950, or valuation terms arranged.

3.—LONDON, W.C.—Good-class Retail and Dispensing Business; returns average over £2,000; *clear net profit*, £700; well-fitted Pharmacy, with residence attached; long lease; price £1,550.

4.—LONDON, S.W.—Good middle-class Cash Retail, entirely under manager; returns £1,500; *net profit* £500; main-road position; well stocked; rent covered by let-off; price £1,000.

INTENDING VENDORS

We are in immediate want of sound businesses in all parts of England, especially London, South Coast, S.W. and Western Counties, Midlands and Home Counties, at prices ranging from £300 to £3,000.

BUSINESSES WANTED.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

DUBLIN OR SUBURBS.—Good-class Business in busy centre, with living accommodation; no near opposition; must show a good living profit; cash available; state rent, lease, probable price, etc. "Statim" (27/12), Office of this Paper.

LANCASHIRE OR YORKSHIRE.—General Retail Business in busy thoroughfare; one which has been neglected not objected to; partnership entertained with view to succession. Please state full particulars "L. and Y." (17/1), Office of this Paper.

LONDON.—High-class Dispensing Business wanted in the W., W.C., N.W., or S.W. districts; good residence; returns not less than £2,000; capital available. Please give preliminary particulars in first letter, to "Wm. Palmer" (P. C. B. 29/401), Office of this Paper.

WEST OF ENGLAND.—Good-class Retail and Dispensing Business wanted; preferably with Photography; turnover £1,500 to £2,000; seaside or inland; house attached; state particulars, class of business, turnover, rent, lease, confidential; immediate cash available. Reply "Statim" (26/18), Office of this Paper.

ADVERTISER requires main street Cash Retail, doing £1,500-£2,000 per annum, where there is plenty of scope for a really big turnover on up-to-date lines; cash waiting for genuine concern; please give particulars, mentioning lease (if any), and house accommodation. "Statim," Posilipo, Bath Parade, Cheltenham.

DRUG Store.—Advertiser, energetic, unqualified, with small capital, sufficient to pay deposit and work on, would like to negotiate purchase of small Business on terms to mutual advantage; neglected not objected to if scope for improvement evident; no reasonable arrangement refused. Reply "Kent" (30/11), Office of this Paper.

GOOD-CLASS Dispensing and Retail Pharmacy wanted with suitable house attached; preferably Western or South-Western Counties, but not essential. Please state full particulars of lease, rent, turnover, etc., in strict confidence, to W. E. Hollows, 35 Culverden Park Road, Tunbridge Wells.

SOUND, good-class Family Business, principally cash; no Optics, not much N.H.I.; South or East Coast or Southern Counties; not in London, but outskirts not objected to; good living accommodation essential; must bear investigation; strictest confidence promised; cash available up to £800. "Francis," c/o Wright, Layman & Umney.

PARSON C. BAKE

(Pharmaceutical Chemist),

Trade Valuer & Transfer Agent

Recommended by The British Drug Houses, Ltd.; Messrs Me Co; Barclay & Sons, Ltd.

Valuer to the Association of Manufacturing Chemists,

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SOUTHALL BROS. & BARCLAY, L

(Valuation and Transfer Dept.)

Special Terms for Probate and Trading Accounts, Income Tax, etc.

For particulars apply—

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CHEMISTS' VALUERS, TRANSFER AGENTS AND EXPERT STOCKTAKERS.

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

TWO qualified Pharmacists require (immediately) a sou side Business; must bear strictest investigation and undoubted scope for expansion. Please state in confidence for disposal, fullest particulars, and lowest price for settlement, 29/10, Office of this Paper.

WANTED, privately, Chemist's Business, near centre of or within 7-mile radius; advertiser has ample capi will treat every communication with strict confidence. 27/22, Office of this Paper.

WANTED, a good Chemist's Business, Liverpool, Man or any Lancashire town, showing good returns. H. T., c/o Ayrton, Saunders & Co., Ltd., Liverpool.

1920.—TO Chemists intending to sell or retire durn small or one-man Business (good house and not soil); neglected one considered; Business situated within 6 of Birmingham, London, or Bristol preferred; would w July if required, but wish to settle purchase at once. "Dental" (28/2), Office of this Paper.

AGENCIES.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, p

IRELAND.—Wanted by qualified man, with good con amongst Retail and Wholesale, sole agencies for for first-class houses; any guarantees and references given. 29/5, Office of this Paper.

LONDON firm, with sole Agency for high-class French Specialities, requires Traveller (London) calling on W Houses and Stores. Replies P. C. B. 29/15, Office of this

AGENCY wanted for Scotland, or Scotland and North land, in Chemical or allied trades; advertiser is well to Scottish dealers and in business circles generally, a influence business; would entertain the introduction projects in return for suitable remuneration. Apply 31/50 of this Paper.

BUYING Agents wanted to take up lines in Brilliantin Paraffin, Bay Rhum, etc., by a manufacturing firm to give large output and pack for all classes of trade. P. C. B. 29/33, Office of this Paper.

EXPORTER of Spanish Tartar and Tartrate of Lime Agent with connection among Tartaric industries. giving full particulars, to Luis Utz, Reus, Spain.

GENTLEMAN, returning on the 6th March, would be to undertake Agencies for Western Australia; Cl lines, Toilet Accessories, etc. Write Haywood, c/o M Kitchener Road, East Finchley, N. 2.

REQUIRE an Agent on commission, calling on Chemi introduce paying side-line in the provinces; liberal c sion to a good man. Apply, by letter, stating ground c W. P. Humfrey & Co., Northumberland Grove, Tottenham,

TWO gentlemen, 20 years' experience, large connectio Medical Profession, and with own premises in desire agencies for Instruments, Dressings, Bottles, etc. P 29/371, Office of this Paper.

FINANCIAL.

OGRESSIVE firm of Manufacturing Chemists and Dry-ltery Packers wish to hear from similar firms willing gamate with a view to forming a Public Company appeal-£100,000. Address in confidence to 22/140, Office of this

PARTNERSHIPS.

or 50 words or less : 6d. for every addition 10 words or less, prepaid

ACANCY occurs in a progressive firm of Speciality and oilet manufacturers for a thoroughly competent gentleman produce new lines and control staff; one able to invest to £5,000 with a sound manufacturing experience. Apply Office of this Paper.

NERSHIP or Managership, with view to succession, re-uired by Pharmaceutical Chemist, 38, with first-class ex-, West End and provincial; excellent testimonials; capable ergetic; capital available; could arrange interview; nt middle of February. Apply 30/39, Office of this Paper.

L flourishing progressive Manufacturing Business, well tablished, requires further capital; directorship and em-t (in- or outdoors) offered to competent man willing to £1,000. Apply, with bank or other references to financial , to 30/37, Office of this Paper.

FOR SALE.

1 Till Coils, 1 gross 3¾ × 25 yards, double cash column, fit Gledhill Till, 5*s.* 9*d.* doz., 3 doz. 16*s.* 6*d.*; 6 doz. 45 yards, to fit O'Brien Till, 6*s.* 9*d.* doz., 3 doz. 18*s.*; aid. "Coils" (24/39), Office of this Paper.

SITUATIONS OPEN.

RETAIL.

. for 50 words or less ; 6d. for every additional 10 words or less, prepaid

HINGHAM.—Qualified lady Dispenser to take charge of ispensing Department in high-class Pharmacy; also well-d, experienced Junior for Counter. Apply, stating wages perience, to Richards, Pharmacist, Hagley Road, Birming-

DFORD.—Manager for brisk working-class business, with .H.I.; good post for young man used to that business; sual particulars. "Bonum" (27/30), Office of this Paper.

BERLAND.—A vacancy will shortly occur for a horoughly experienced Managing Assistant for the Retail; e single. Apply, stating salary and full particulars, to anley Scott, Manager, Wilson & Kitchin, Wholesale and Chemists, Whitehaven.

IFAX.—Smart Junior for Drug Store; must be used to uick Counter trade and good Window-dresser; hours 8.30 1 p.m. Thursdays, 8 p.m. Friday and Saturday. Apply, age, height, salary and references, to Taylors (Northern), Crown Street, Halifax.

ESTER Municipal Technical School (J. H. Hawthorn, Prin-ipal).—Pharmacy Department.—Wanted, competent Assistant Pharmacy Department, to assist in the teaching of Phar-Materia Medica, etc.; commencing salary £200-£350 a according to qualifications and experience. Applications be addressed without delay to the Registrar at the School. Armitage, Director of Education.

DON.—Qualified man wanted for N.H.I. Dispensing; East End; part time; must be reliable; good salary. Apply, by oaly, giving usual references, age, etc., to Pharmaceutical ittee, Bank Chambers, High Holborn, W.C. 1.

DON (near City).—Good, smart, unqualified Assistant; splendid opportunity for gaining valuable experience. Apply 1's Cash Chemists, Ltd., 295 High Road, Chiswick, W., full particulars, by letter, or personally between 3 and 8 , or between 11 and 1 o'clock Saturday.

DON.—Reliable, qualified, middle-aged man for small Work-ag-class business; chiefly N.H.I. Dispensing; little Counter no Sunday duty; one seeking permanency preferred; com-le berth. Reply, stating age, experience, and salary re-, to 30/26, Office of this Paper.

DON, W.—Junior Assistant for cash business; good Dis-penser; one other kept; state age, experience, and salary ed. Shirtliff, Chemist, 66 Goldhawk Road, Shepherd's Bush.

NDON, W.—Assistant (unqualified), outdoors, part time or full time, for Counter, Dispensing, and Stock; accustomed ore trade, with a knowledge of Photography; state age, ience, and salary required. Allen's, Ltd., Chemists, 155 Street, Paddington.

METROPOLITAN BOROUGH OF GREENWICH.

Appointment of Male Dispenser for Tuberculosis Dispensary.

THE Council of the above Borough will require at an early date the services of a Dispenser in connection with the Tuberculosis Dispensary, and applications for the appointment are invited.

Candidates must be qualified to act as Dispensers in accordance with the requirements of Section 15 (Sub-Section 5b, 3 and 4) of the National Insurance Act, 1911, and must also be competent to assist in the secretarial work of the Dispensary.

Preference will be given to a candidate demobilised from H.M. Forces who holds the necessary qualifications.

The salary will be at the rate of £250 per annum (to include war bonus to date).

The person appointed will be required to devote the whole of his time to the service of the Council, and to reside within the Borough or within half-a-mile thereof; the appointment will be terminable by one month's notice on either side, and he shall not on retirement claim or be entitled to any superannuation.

Applications must be made in the handwriting of the applicants on forms to be obtained from the undersigned, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials, and must be sealed up and endorsed outside "Dispenser," and must reach me not later than 10 a.m. on Monday, 2nd February, 1920.

Canvassing the members of the Council either directly or indirectly will be a disqualification.

FRANCIS ROBINSON,
Town Clerk.

Town Hall,
Greenwich Road,
January 1920.

SOUTH COAST.—Qualified Assistant; young; good appearance and address; enclose photo (returnable), stating age, experience, salary required, etc. Apply 27/35, Office of this Paper.

WEST-END firm (Retail), high-class Perfumery, require Manager or Manageress; must be thoroughly experienced and used to good-class trade. Apply, with full particulars, "Perfumery" (161/29), Office of this Paper.

A COMPETENT qualified Assistant for good Dispensing business. W. Pickard, 3 West Kensington Terrace (opposite West Kensington Station), W. 14.

AN energetic Junior wanted (at once) for quick Retail; hours 9 a.m. to 8 p.m., Thursday 1 o'clock, no Sunday duty Apply morning or evening, or by letter, stating age and salary required, to Brooks' Drug Stores, corner of High Street, Broadway, Deptford.

ASSISTANT; experienced; about 30; Retail and Dispensing; no Sunday, holiday, or night duty; easy hours; good berth for good man; usual particulars, salary, and photo. Bass & Wilford, Chemists, Nottingham.

AT Once, Junior Assistant in brisk country Retail; must be a good Counterman and well trained; please give full particulars in first letter. Apply 27/24, Office of this Paper.

CAPABLE Junior Assistant (outdoors) for good-class business; must be good Counter hand and Dispenser and well up in Photography. Particulars of experience and salary to H. F. Ferriss, 349 High Road, Lee Green, S.E. 12.

COUNTER Assistant (male), with good experience; hours of work approximately 9 a.m. to 6 p.m., and 1 p.m. Saturdays; personal interview preferred, if by letter to state age and references. Apply to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street.

DISPENSER wanted for East Dulwich Dispensary; four hours daily (two two-hour sessions); £104 per annum. Apply Sec., 58 Wood Vale, S.E. 23.

EXPERIENCED Counter Assistant for Retail section of Drug Department in large West-End Stores; no Sunday or Bank Holiday duty; only first-class Salesman of proved selling ability wanted. Give full particulars of experience, and state age in first application, to P. C. B. 29/14, Office of this Paper.

JUNIOR Assistant required for good-class business; outdoors; please state age, height, reference, experience, when disengaged, and enclose photo. E. Bing & Son, Pharmaceutical Chemists, Canterbury.

JUNIOR Assistant (outdoors); accustomed to N.H.I. Dispensing and Cash Counter trade. Particulars to Goosey & Rogers, 51 Ben Jonson Road, Stepney, E. 1.

JUNIOR (male) Assistant; good wages to suitable man; short hours; Oxford Street, W.; vacancy to put up stock and assist at Dispensing Counter; quick and accurate. Apply P. C. B. 29/35, Office of this Paper.

QUALIFIED Manager for Branch; N.H.I. Dispensing and General Retail; one able to do Teeth and Sight-testing on mutual terms entertained. Apply to Noble, 2 Well Street, Cable Street, E. 1.

QUALIFIED Manager wanted for middle-class business, S.W. district; N.H.I. Dispensing; state experience, references, and salary required. Apply 29/37, Office of this Paper.

QUALIFIED Manager required for shop in market-place; good salary and commission; hours 9 to 7.30; half-day Thursday. Apply to 29/4, Office of this Paper.

QUALIFIED Branch Manager wanted shortly; Central London; outdoor; must possess good general knowledge of the trade, including Photography, and hold satisfactory references. Boutalls, Ltd., 150 Southampton Row, W.C. 1.

SURGICAL Instrument Business; Assistant Saleswoman. State duties accustomed to, age, and wages expected, Box "F 237," Lee & Nightingale, Advertisement Offices, Liverpool.

UNQUALIFIED Assistant required for Mixed business in Derbyshire; married man, house provided. Please give particulars of experience and salary required to 27/23, Office of this Paper.

UNQUALIFIED Assistant (female) required by City Chemist; easy hours. Write P. C. B. 29/39, Office of this Paper.

WANTED, qualified Assistant to take charge of branch. Apply 62 Hill Road, Wimbledon.

WANTED, lady Assistant in small, good-class business with Retail and Dispensing experience. Please state age, experience, salary (outdoors), to Seth Harry, The Pharmacy, Okehampton, Devon.

WANTED, qualified Manager; knowledge of Photography and good Window-dresser; comfortable berth for suitable married man. Apply, stating salary required, to 159/16, Office of this Paper.

WANTED, qualified Chemist as Manager for branch shop at Walney, Barrow; no Sunday duty. Applicants should send full particulars of experience, stating age and salary required, to the Secretary, Barrow Co-operative Society Ltd., Abbey Road, Barrow-in-Furness.

WANTED, young lady Assistant (outdoors) for Dispensing, chiefly N.H.I., and to help at Counter; qualifications not necessary if well experienced. Apply, giving full particulars as to age, experience, references, and salary required, to W. H. Walker, Chemist, Willenhall, Staffs.

WANTED (at once), elderly Chemist for Dispensing, Counter, Prescribing, and Poison sales only, in quiet business on outskirts of large town in Midlands; light duties; healthy, pleasant district, close to open country. Apply, with references and salary required, to 29/24, Office of this Paper.

WANTED, Assistant, must be either D.B.O.A. or F.S.M.C., with knowledge of Dispensing Medicines and general shop routine; or M.P.S., with thorough knowledge of Sight-testing and Fitting; commission on Optics to a really reliable man. Apply, stating full particulars, and send photo in first letter, 29/27, Office of this Paper.

YOUNG Junior male Assistant wanted for a quick Retail business; no Sunday duty; close 1 p.m. Thursdays; 50s. per week. The Prosser Roberts Co., Pharmaceutical Chemists, 323 Walworth Road, S.E.

WHOLESALE.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

ASSISTANT required, used to Wet Counter, or unqualified Chemist, for checking quality and out-turn of Mineral Waters, Cordials, Liqueurs, etc. Write, stating age, experience (if any), and wages required, to "A. R." (149/5), Office of this Paper.

CAPABLE and energetic man wanted to take charge of Manufacturing Department of a London firm; one with experience in the manufacture of Capsules or Pills preferred; good prospects and permanency for a man with determination and ability. Apply 160/27, Office of this Paper.

DRY-COUNTER Hand required, with previous experience in similar capacity. Apply, with full particulars of previous experience, wages, etc., to J. C. Arnfield & Sons, Ltd., Wholesale Druggists, Stockport.

DRY-FLOOR Foreman required in Export Wholesale Druggists; wages 78s. to 83s. per week, according to experience and capacity. Full particulars to 161/4, Office of this Paper.

FOLLOWING districts vacant for smart, go-ahead Travellers, well known on ground, to call on Chemists, Fancy Stores, etc.: Manchester and North-East Lancashire, Northumberland and Durham, Kent, Aberdeen and North; salary, commission; live man who can build sales and open good accounts will be looked after. Reply, with full particulars, "Mutual" (159/18), Office of this Paper.

HEAD Capsule-maker for machine work required. Apply Standard Tablet Company, Ltd., Hove.

QUALIFIED Pharmacist, bachelor, required as Repre for reputable house; experience not essential; ter includes portion of Ireland; exceptional opportunity for desirous of entering the Wholesale. Apply by lett photograph, and give full particulars of experience, age and commencing salary, to "C. S." (29/40), Office of th

REPRESENTATIVE required for Wales; Toilets, Sp and Sundries; must have good connection; no obj one or two non-competing lines; state terms, experie names of firms (if any) at present representing. Apply Office of this Paper.

REPRESENTATIVE required (at once), to call on Che allied trades; North of England and part of Y salary and commission; replies treated with confidenc 159/69, Office of this Paper.

REPRESENTATIVE required for London Wholesale an trade by established house manufacturing Toilet tions, Perfumes, etc.; salary and commission; state full lars and remuneration expected. Apply 158/51, Offic Paper.

REPRESENTATIVES required on following grounds sale of a Miniature Powder Puff Speciality (Pat will command large trade, commission basis; only first-c entertained: (1) London, (2) Birmingham and district, (shire, (4) Lancashire, (5) Staffordshire, (6) Glasgow-E Full particulars to 26/19, Office of this Paper.

REQUIRED for Proprietary Medicine business a Pharm and Analytical Chemist. State age, experience, a expected, to 26/13, Office of this Paper.

REQUIRED, Traveller, with first-class connection amo tial-oil Buyers and Manufacturing Confectioners, etc stating experience, salary required, 29/13, Office of this

TRAVELLER (commission) required for West of Ea cluding Wales, also for Midlands, by firm importi gists' sundries and supplying Wholesale only. Write Office of this Paper.

TRAVELLERS wanted with good connection among W and Retail Chemists, etc., and capable of obtain orders for highest quality pure Olive Oil, Honey; commiss Write in confidence, stating full particulars of connection The Western Honey Co., Western House, Hubert Grove, S London, S.W. 9.

TRAVELLERS required; able to push lines in Bri Toilet Paraffin, Bay Rum, etc. P. C. B. 29/330, this Paper.

TRAVELLERS for Chemists' Sundries for North-East London, also South-West; salary and commission sa tion given to good men. Apply P. C. B. 30/23, Offic Paper.

TRAVELLERS required to carry advertised Toilet Goods lines on commission; part expenses paid to goo getters; territories open, South of England and Wales. Eydolash, 345 Archway Road, Highgate, London, N.

WAREHOUSEMAN wanted by London Wholesale Dr must be capable of taking charge of Dispatch Dep state previous experience and salary required. "Z (158/30), Office of this Paper.

WE WANT REPRESENTATIVES, on a commission basis for England, Scotland, and Ireland to handle the best Chemist's OWN NAME DENTAL AND TOILET CREAM proposition on the market. State territory and other lines handled. MACLEANS LTD., 6 Spring Street, Paddington.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, p

PARIS.—Qualified Assistant; knowledge of French an tinental experience; outdoors; short hours; no Su night duty; state age, experience, references, and sal quired in first letter; permanency, with good prospects, f able man; send photograph, which will be returned. & Co., 5 Rue de la Paix, Paris.

STRAITS SETTLEMENTS.—Assistant, unmarried. Chemist's qualification, a good knowledge of Optics able; four years' agreement; passage paid out and home; first year £420, second and third years £455, fourth year Apply 140/34, Office of this Paper.

SITUATIONS WANTED.

r 12 words or less, 6d. for every additional 10 words or less, prepaid.

[HOME.]

RETAIL.

MPETENT woman Dispenser seeks post; would like unnished rooms on premises, not essential. "Dispenser," t Ormond Street, London, W.C.1.

IPETENT, unqualified Manager or Assistant; over 15 rs' experience Retail; last situation over 5 years; salary disengaged. Wild, Audley Road, Colchester.

ALIFIED Chemist desires post as Manager, in or near nchester; steady, reliable, with first-class Dispensing ex- disengaged. Evans, 53 Fairlawn Street, Manchester.

ALIFIED Chemist, with exceptional London and provincial perience as Manager and Buyer, seeks similar position; ganiser; used to control and modern business methods; liberty; reasonable salary, with permanency, desired. C. B. 29/28, Office of this Paper.

ALIFIED Chemist; 41; now disengaged; experienced all ses; town and country; several important positions suc- fiied. "Statim," Craithie Cottage, Sandown, I.W.

ATISER, qualified, seeks conditional permanency; com- table home; some capital for partnership investment. 29/34, Office of this Paper.

ATISER requires position; 10 years' West-End Stores erience as Stockkeeper; good all-round knowledge Drugs, Toilets, Surgicals, and Sundries. Write J. M., 27 Robert- et, London, S.W. 8.

nager of quiet branch; middle-aged, abstainer, qualified; derate salary. Apply 27/19, Office of this Paper.

ief, by thoroughly experienced Locum; smart, neat, quick penser. G., 122 Scott-Ellis Gardens, St. John's Wood,

TANT; unqualified; 26, 5 ft. 8½ in.; eight years' varied erience; good references; capable of taking charge or branch business; kindly state salary and hours of busi- pply 28/8, Office of this Paper.

TANT; unqualified; 25, 5 ft. 10½ in.; N.H.I. Dispensing Counter; good references and experience; N.W. London "J. M.," c/o Gage, 122 Allcroft Road, N.W. 5.

TANT; unqualified; well recommended. "Velox," 14 St. lates (private entrance), Oxford.

TANT, unqualified, requires situation; 26; Dispensing Counter experience; Lancashire preferred. Webb, 3 Street, Skelmersdale, Lancashire.

TANT, unqualified (29), requires situation; Counter and pensing. Searle, 2 Carlisle Avenue, Plymouth.

TANT (27); unqualified; tall; all-round experience Dis- sing, Counter, etc.; good references Service, Chemists, or. W. Burt Cook, Westbury, Wilts.

TANT (Juuior); unqualified; single, 24; five years' ex- ience; disengaged shortly; Dispensing, Counter; ab- good references. Apply Williams, 29 Hobart Street, se, Plymouth.

TANT; unqualified; 27; Wholesale, Retail, and Photo- phic experience; London or district preferred; commence ely. Edwards, 23 Granville Mansions, Shepherd's Bush,

TANT (Junior), age 20, tall, desires position in good- ss Dispensing business; four years' experience; know- Photography. C. E. Webley, High Street, Woodstock,

TANT, 25, recently demobilised; six years' experience. ply 22/7, Office of this Paper.

TANT (French), six years' experience, desirous improving glish language, desires situation in England, good refer- Apply Maurice Poinsignon, at parents, 11 Rue Louis La Varennes (Seine), France.

TANT; apprenticeship just completed; Brighton or near. s Wellman, The Orchard, Hassocks.

TANT (lady); unqualified; good Counter and Photo- phic experience; highest references. G. B., c/o Messrs. Son, Chemists, Salisbury.

TANT; 22; unqualified; experienced high-class Dispensing, rt Salesman; excellent references; just demobilised. Full rs first letter to Jeffs, 42 Morel Street, Barry.

TANT (lady), experienced high-class Dispensing, Counter, scribing, desires post with Chemist or as Dispenser to disengaged. Apply 28/30, Office of this Paper.

TANT; qualified; 28; tall; good appearance; energetic; class experience; capable of taking charge if required; Southern England; state hours, wages. Apply 27/18, this Paper.

ASSISTANT; unqualified; all-round experience; London only. "Radix," 72 Tremadoc Road, Clapham, S.W.

ASSISTANT (Junior), age 20, requires position in good-class Pharmacy; 3 years' experience in Dispensing, Counter work, and Photography; reliable, good worker; please state salary and particulars. R. Fincham, Station Road, Sheringham.

ASSISTANT (unqualified) disengaged; young; good Dispensing experience; highly recommended. F. J. Palmer, 17 Parade, Felixstowe.

ASSISTANT or Manager; small shop in country; experienced Counterman and Dispenser; state salary; smart and references, etc. Apply Wallace, The Hospital, Long Preston, Yorkshire.

ASSISTANT (Senior), unqualified, disengaged; reliable, trustworthy. "Assistant," 36 Church Street, Woolwich.

ASSISTANT; unqualified; 28; height 5 ft. 2 in.; a little Dispensing experience; decent Counter Hand; nine years drug trade; recently demobilised. Fox, Church Lane, Pudsey, Leeds.

BIRMINGHAM.—Young lady, unqualified, desires post with Chemist; 3½ years' Dispensing and Counter experience; highest references; disengaged. Apply 26/21, Office of this Paper.

BRANCH, small Prescriber (registered); middle-aged; at liberty. Address "Eastdean," Stamford Road, Bowdon, Cheshire.

BRANCH Manager; Drug Stores; London or provinces; highest references, real good experience. "Salol" (29/18), Office of this Paper.

BURTON MIDDLETON, M.P.S., is open to book engagements as Pharmacist's Locum; town or country; distance no object; or as an emergency Assistant by the hour, day, or week. Address 20 Merton Avenue, Chiswick, London, W. 4.

CLERICAL work, any kind, evenings. Address "F. G." (186/36), Office of this Paper.

COMPETENT Assistant; unqualified; 27; state terms. Gibbs, 98 King's Road, Harrogate.

DISPENSER (Hall) and trained Nurse desires post; experienced; either Chemist or Doctor; disengaged end of January. State salary and apply 17/21, Office of this Paper.

DISPENSER, lady (Hall); four years' West-End and high-class provincial experience; used to Counter work; Photography; able to take charge. Apply 27/17, Office of this Paper.

DISPENSER, lady (Hall), desires post; London district or suburbs; Doctor, Hospital; some experience. Apply 27/9, Office of this Paper.

DISPENSER, lady (Hall certificate), 12 months' College experience, desires post at once; Yorkshire. Drabble, Ughill, Bradfield, Sheffield.

DISPENSING.—Lady, Hall, good experience, desires post; Doctors or Institution. "A.," 1 The Avenue, Beckenham.

DISPENSING.—Unqualified young lady desires part-time post; London, suburbs. Apply 31/4, Office of this Paper.

DOCTOR'S Dispenser (qualified); thoroughly experienced and reliable man, with Medical Curriculum; good references. L. M., 54 Gurney Street, London, S.E. 17.

ENERGETIC, unqualified Assistant; over 15 years' experience in high-class Dispensing and Counter work; Surgical knowledge; Photography; excellent references; permanency; London preferred, but not essential. M. L. B. (30/25), Office of this Paper.

EXPERIENCED Assistant, middle-aged, active, unqualified; first-class Dispensing and Counter experience; good appearance; with good references. H. P., 3 Kensington House, Turnham Green Terrace, Chiswick, S.W.

GENTLEMAN, 27, married, 10 years' experience in Pharmacy, desires change, health reasons; excellent references; would travel for Drug house or Sundries. Apply 28/25, Office of this Paper.

IMPROVER requires situation in or near London; state salary. H., 42 York Road, Leyton.

JUNIOR; tall, 23½; good Counterman; Lancashire. Apply 27/32, Office of this Paper.

JUNIOR Assistant (21) desires situation in Blackpool; knowledge of Dispensing and Photography; three years' experience; height 5 ft. 8 in.; good references. "S. N.," 58 Chesterfield Road, Blackpool.

JUNIOR requires position in good Dispensing establishment; in or near Liverpool or London; time for study. Particulars G. Griffith, "Pyrocanth," Ruthin.

JUNIOR Assistant, with some years' experience of quick Retail trade; best references; age 20. Hudson, Harecroft Road, Wisbech.

JUNIOR, with Photographic and General experience; not afraid of turning his hand to any kind of work; good references; moderate salary; in- or out-doors. G. N., c/o Mr. Allison, Castle Pharmacy, Arundel.

JUNIOR, unqualified, 22½, tall, 6½ years' experience, requires situation in good-class Dispensing business; good references. Smith, 23 Roman Road, Colchester.

JUNIOR Assistant, smart at Counter and Stock, passed Prelim.; 4½ years' General Routine, Shop and N.H.I., desires engagement; Bolton or Manchester. Reply 30/18, Office of this Paper.

LADY Dispenser (Apothecaries' Hall) desires Hospital work or post with Doctor; three years' experience; Sussex or South of England preferred. "K." (28/13), Office of this Paper.

LADY Dispenser, unqualified but experienced, desires post with Doctor or Chemist. Holt, 342 Brixton Road, S.W. 9.

LADY, experienced (Hall), seeks part-time post; mornings, evenings; excellent testimonials; Institution preferred; London or near. "Hall," 19 Neville Street, South Kensington.

LIVERPOOL or suburbs preferred; sharp business Assistant; can increase trade; all-round experience; Photography, Dentistry; in present situation second occasion; steady, reliable; good references; unqualified. "Statim," 8 Aubery Street, Liverpool.

LOCUM; 30; qualified; Leeds and district only. Apply 26/24, Office of this Paper.

LOCUM; 37; conscientious worker; vast experience; reliable. Terms to 27/200, Office of this Paper.

LOCUM (temporary Manager); 53; qualified; country; disengaged until March 31st; first-class experience and references; Photography, Optics; energetic. Dewey, 4 Montague Gardens, Wallington, Surrey

LOCUM; wide experience; highest references; well recommended; terms moderate. "Beta," 74 West Hill, East Putney, London.

LOCUM or permanency; disengaged; qualified; 43; good all-round experience Retail and Dispensing. "Statim," 11 Laurie Avenue, Burford Road, Nottingham.

LOCUM; experienced; disengaged January 24. "L. J.," 66 Neville Street, Cardiff.

LONDON, N., SUBURBS OR DISTRICT.—Qualified, single, age 23, requires position as Assistant or Branch Manager; Dispensing, Photographic, and Shipping experience. Jones, Cedewen, Station Hill, Porthcawl, Glam.

MANAGER; qualified; permanent; excellent references; 25 years' first-class West-End experience; disengaged; London preferred. Chas. Parker, "Inglenook," 2 Endsleigh Place, Plymouth.

MANAGER or Locum; qualified; 42, abstainer; wide experience London and provincial; now at liberty. "Manager," 321 Coventry Road, Small Heath, Birmingham.

MANAGER, qualified, steady, reliable, disengaged, married, desires situation. "X. L." (26/30), Office of this Paper.

MANAGER, qualified, 35, married, desires post with view to early succession; capital £500; living accommodation; good references. Apply 28/10, Office of this Paper.

MANAGER or Locum; qualified; 45; single; high-class Dispensing; also N.H.I., Photographic; disengaged. "Alpha," 9 Grantbridge Street, Islington, N. 1.

MANAGER, Assistant, or Locum, qualified, 35, married, disengaged; excellent experience, London and provincial; competent and reliable. "Pharmacist," 98 Greyhound Lane, Streatham, S.W. 16.

MANAGER of leading West-End Pharmacy desires change; good Dispenser, Salesman, and Buyer. 29/30, Office of this Paper.

MANAGERSHIP required by qualified; 37; thorough experience in Buying; good Prescriber, Salesman, Photography, Family Retail, quick Counter; state salary, etc. Apply 27/20, Office of this Paper.

MINOR, lady, 9 years' experience (3 Retail), desires post; seaside preferred. 29/19, Office of this Paper.

NORTH LONDON—Young lady, Hall qualification, experienced, desires engagement with Doctor for Dispensing and Booking; whole or part time. Replies, stating salary, to 25/9, Office of this Paper.

OUTDOORS.—Unqualified Assistant desires permanency; many years' all-round experience; good reference; disengaged. Morris, 43 Adolphus Street, New Cross, S.E.

PART-TIME.—Student requires post as Dispenser or Assistant; Manchester or district; good references and experience; Saturdays from 2 p.m., Sunday duty. Apply 23/33, Office of this Paper.

PART-TIME; evenings; qualified; young; experienced. "Smith," 1 Cobleigh Road, West Hampstead.

PHARMACIST (lady) requires post shortly in Hospital or Institution, or with Dispensing Chemist; in or near London. 28/31, Office of this Paper.

QUALIFIED (27) requires permanent berth with good prospects; eight years' good all-round experience. Full particulars to F. H. Wells, 121 Chesterfield Road, St. Andrews, Bristol.

QUALIFIED; best West-End and country Dispensing and Counter experience. Alder, Bracknell.

QUALIFIED; elderly; experienced Buyer; living accommodation essential. "A. J. W.," 245 Plashet Road, Upton Park.

QUALIFIED Assistant, 24, seeks situation; Retail, Dispensing, and Photographic experience; Lancs or Yorks preferred; disengaged. Smith, 41 Lune Street, Lancaster.

QUALIFIED seeks permanent position; 12 years' experience of high-class Pharmacy; South preferred. 28/24, Office of this Paper.

QUALIFIED; 30; good experience and references; m salary. Apply 28/3, Office of this Paper.

QUALIFIED; Managership of Country Pharmacy; single country; high-class Dispensing and Store class of bu with Photography; would manage with view to taking business if necessary. M. C. (28/26), Office of this Paper

QUALIFIED Manager or Locum, 25 years' experience, re permanency; town or country; disengaged; married. salary to "M. D.," 26 Fox Hill, S.E. 19.

QUALIFIED; 33; Manager or Assistant; 7½ years berth; excellent references; thoroughly capable and worthy. Mr. Harris, 52 Broxash Road, S.W. 11.

QUALIFIED woman Dispenser; well recommended; Doc Institution; Bookkeeping. Cregeen, "Basildon," C Avenue, Sidcup, Kent.

QUALIFIED Manager or Senior; Home Counties; ng "Pharmacist, Morden Lodge, Streatham Place, Stre S.W.

QUALIFIED M.P.S., of good address; over twenty years' experience; Manager or otherwise; temporary or perma middle-aged; reasonable salary; London, West or South personal interview preferred. Apply 30/40, Office of this P

QUALIFIED (lady) requires situation; excellent refer 8½ years' Dispensing and Counter; state particulars. Ll 119 High Street, Blaenau, Festiniog.

QUALIFIED, experienced Manager desires appointment; mancency; 42, abstainer; good reference; no Sunday. phes, with particulars, to 29/2, Office of this Paper.

QUALIFIED (lady) requires post; West-End and prov Dispensing and Retail experience. 30/1, Office of Paper.

QUALIFIED, as Assistant or Manager, desires situation diately; knowledge of Photography, Optics, and high Dispensing. Apply A. E. Carter, Ash Grove, South Parade, Pe

RECENTLY qualified, 28, 6 ft., desires position as Ass with view to learning Management; Sheffield district ferred; eight years' pre-war experience. Apply E. Northea Conduit Road, Sheffield.

RELIABLE Assistant, unqualified, wishes permanency, Lo 16 years' experience in high-class Dispensing and Co work; excellent references. C. B. (30/27), Office of this P

RETAIL OR WHOLESALE.—Assistant; 24; demobilised qualified; six years' first-class experience, Dispensing small scale manufacturing. Worth. Keuts Road, Torquay.

SENIOR, unregistered; 33 years; married; Extractor; Fi Impressions; not a mechanic; Dispensing; photo; exc Salesman; living accommodation. Tors, 188 Northdown Margate.

SENIOR Assistant desires situation in high-class Dispensing Retail business; seven years in present situation; hi references; married. 30/4, Office of this Paper.

SOUTH WALES.—Qualified, 22, good Counter and Dispe experience, requires position; capable of taking char necessary. Apply Jones, Glyn-Dare, Tyrfran, Llanelly.

STOCKTAKING.—Chemists' Stocks accurately taken; reaso terms. Mersey, 12 Edgeley Road, Clapham.

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STUDENT-ASSOCIATE (22), 2½ years' experience, abst apprenticeship interrupted by war service, desires po Junior or Improver in high-class Pharmacy; fluent French; P graphic experience; good Salesman; salary moderate. 28/14, Office of this Paper.

UNQUALIFIED; 22; 4½ years' good Dispensing experience; salary offered; Western Counties preferred. L. J. P East Street, South Molton, Devon.

UNQUALIFIED; 14 years' good-class experience Dispe Counter, Photographic, and Bookkeeping; capable of ta charge; age 35, married; permanency desired; disengaged, references. "Radix," 97 Mercer's Road, Holloway, N.W.

UNQUALIFIED Assistant desires berth; Croydon or L district; 11 years' Dispensing, Retail, and Photogr experience; abstainer; highest references. Apply 25/8, Offi this Paper.

UNQUALIFIED; 40; disengaged; excellent all-round e ence; succession preferred. "Reliable" (29/6), Offi this Paper.

UNQUALIFIED; 38; tall; Dispensing, Counter, Photogr 20 years' good experience; or could manage. 30/21, of this Paper.

WANTED, by young lady, a recognised teacher of Chem or Assistant of the Society holding a public appointme legally qualified Pharmacist under whom she could have necessary training nine months before taking Assistants' E Society of Apothecaries, London. Miss Thomson, Thist Rectory, Oakham, Rutland.

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WHOLESALE.

IRST-CLASS Representative, with good connection in London and near for Toilets and Perfumery, desires good position scope in this or kindred line; references and proof of ; form of remuneration immaterial. 29/32, Office of this .

OUNG lady desires situation as Packer (wet or dry); knowledge of Chemist's Stock-room; disengaged. Miss Leonard, arker's Row, Bermondsey, S.E. 1.

OUNG gentleman, with 10 years' Retail experience, seeks berth in Wholesale, or would travel. 30/33, Office of this .

VERTISER, 30, good address, live man, seeks responsible position as Representative, home or abroad; correspondence. 22/32, Office of this Paper.

VERTISER (lady) requires post with Wholesale Chemical firm; experienced in the Costing of Manufactured Preparas; capable, energetic, and good organiser. Apply P. C. B. Office of this Paper.

VERTISER seeks position in Chemical Manufacturer's Laboratory; passed London Matriculation 1919, distinctions four ts, including chemistry; continuing education London night e; now employed gas company's laboratory; age 18. Letters, 33 Belmont Road, Beckenham.

SISTANT, just demobilised, desires situation in Wholesale; previous experience in Wet and Dry departments. "W. L."), Office of this Paper.

TISH Firms have scores of Travellers at home, not a single one abroad, where they could do a sound business; ready to travel for a good firm, France, Italy, Spain, and Morocco to Egypt; knowledge of localities and languages, asonable offer. "Salicin" (29/9), Office of this Paper.

USHES AND MANICURE SETS.—Experienced Representative with high-class connection amongst Chemists, Stores, Hairdressers desires appointment on commission basis; only grade lines catertained; Scotland, North of England, North s. Reply "E. M. B." (26/7), Office of this Paper.

SPENSER, 31, 9½ years' high-class West-End experience, desires post with Wholesale house. Apply 28/15, Office of Paper.

UGS, Chemicals, Sundries; thoroughly experienced; good worker; supervise, control staff (male or female). G., 122 Ellis Gardens, St. John's Wood, N.W.

ERGETIC young man (26), of good education and appearance, with 10 years' varied Retail experience, desires position in manufacturing or Wholesale; reliable; state salary; London Mason, 18 Eton Avenue, Finchley, N. 12.

PERT Pillmaker, with own power plant, wants work; any kind of pill, either plain, pearl, S.C., or varnished; any r; Chemists' own ingredients made up; accurate and good-work; regular quantities preferred, but no order too small; t about 60,000 pills per week. 29/20, Office of this Paper.

EXPORT SALES.—Young business man returned from Russia, equally fluent in English, French, German, Russian, experience Banking, Drugs, Engineering, gained in City, Midlands, and abroad, desires responsible position; highest credentials; energetic, successful worker; terms moderate. Apply P. C. B. 28/38, Office of this Paper.

PERT Sugar-coater desires progressive position; London preferred; capable Granulator and Compressor; good knowledge iaery and punch-making. Apply 15/28, Office of this Paper.

RST-CLASS Tablet-maker and Sugar-coater seeks change; London preferred. "Zinjib" (31/3), Office of this Paper.

REMAN Coater requires situation; 12 years' first-class experience in London and North and South; Sugar, Chocolate, l, Gelatinoid, Silver, and Gold. A. Goldstone, 11 Hillery , Walworth, London, S.E.

BORATORY Chemist, with good references, wide experience standardised Galenicals, Pharmaceuticals, Tablets, and ter Specialities, seeks permanency; London or provinces; S., M.P.S. "Opium" (27/28), Office of this Paper.

RFUMER.—Qualified Chemist, Minor (lady), who has had excellent experience in Perfumery and Toilet-requisite manure, desires post as Compounder to Perfumery firm. Apply 6, Office of this Paper.

RFUMERY.—Experienced Representative desires appointment with high-class house on commission basis; first-class ection with Chemists, Hairdressers, and Stores in Scotland, ashire, North Wales. Reply "G. F. B." (26/70), Office of Paper.

RFUMERY AND TOILET PREPARATIONS.—Experienced Representative, with high-class connection amongst Chemists, es, Hairdressers, desires appointment on commission basis; h of England, Scotland, North Wales; only high-class lines idered. Reply "M. F. L." (263/29), Office of this Paper.

PHARMACIST, demobilised, previously partner in Retail business, desires permanent position in scientific side Wholesale, in provinces, or Agricultural Chemist; Branch Managership of Retail business, with view to purchasing same, would be entertained. Apply 30/19, Office of this Paper.

QUALIFIED Manager; Publicity, Sales, Packed Goods, or position where energy and initiative are required; both Wholesale and Retail experience. Apply 29/11, Office of this Paper.

REPRESENTATIVE, young, excellent appearance, experienced in calling upon Doctors, Chemists, and large houses, desires change. Apply 31/6, Office of this Paper.

REPRESENTATIVE, experienced, wishes post for Scotland in Chemical or allied trades; thorough knowledge of requirements all branches; well known to buyers North of Tweed; permanency only entertained. 31/5, Office of this Paper.

RESPONSIBLE position in factory wanted; general knowledge of Galenicals, Toilet Preparations, Testing, etc.; good knowledge of machinery; age 24. Apply 26/14, Office of this Paper.

SMART business man desires opportunity to represent firm of good standing; splendid Salesman; any line; can furnish good references; 4½ years' Army service (3 years in the Far East); age 29; medical category A 1. Apply 30/34, Office of this Paper.

SUNDRIESMAN, including all Glassware, seeks position as Charge or First Assistant; London not essential; had control 19 years; state salary. 28/35, Office of this Paper.

TABLET and Pillmaker or Stock and Timekeeper; age 38; experienced; 18 years' Wholesale; London district. Newnham, 29 Herbert Street, Kentish Town, N.W.

WANTED, by Chemist with good Wholesale connection in the West Riding and Lancs, a few good side-lines suitable for the Drug trade, Co-operative Societies, and Hairdressers. Apply "Progress" (30/16), Office of this Paper.

YOUNG man, recently demobilised, experienced in Laboratory, Factory, and Office, is unable to obtain situation; will someone employ him as Chemical Labourer? Apply 27/16, Office of this Paper.

YOUNG gentleman seeks situation with Wholesale Chemists as Traveller for Toilet and Sundries; good business man, with references; three years in Retail. P.C.B. 29/26, Office of this Paper.

YOUNG gentleman, with excellent experience in all branches of Retail, seeks a berth in a good Wholesale house; please state salary, etc. 30/32, Office of this Paper.

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(Colonial, Indian and Foreign.)

LADY Pharmacist, qualified, excellent testimonials, West-End London and French experience, requires post South of France or Switzerland. Apply X. Y. Z., c/o Scott, Pharmacist, 24 rue Mont Thabor, Paris.

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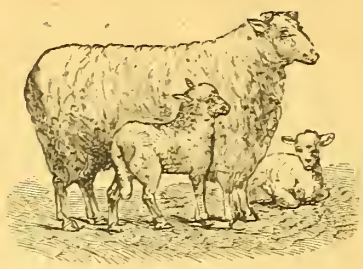

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